LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\
Data File : BG045885.D
Acq On : 30 Jun 2020 15:25
Operator : CG/JU
Sample : L3148-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EPEC-POLYMERS-04

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.496	403	410	424	rBV	623844	1090485	40.67%	3.292%
2	5.901	472	479	484	rBV2	16047	28828	1.08%	0.087%
3	6.871	635	644	649	rBV	971056	1706287	63.64%	5.152%
4	6.912	649	651	657	rVV	127727	171174	6.38%	0.517%
5	6.976	657	662	670	rVB	199561	336505	12.55%	1.016%
6	7.117	678	686	697	rBV	627824	1153389	43.02%	3.482%
7	7.893	811	818	829	rBV	201222	356917	13.31%	1.078%
8	8.216	864	873	882	rBV	599566	1019782	38.04%	3.079%
9	9.056	1008	1016	1027	rBV	460568	842522	31.43%	2.544%
10	9.544	1093	1099	1105	rBV	53075	90466	3.37%	0.273%
11	9.626	1105	1113	1116	rVV	547697	941838	35.13%	2.844%
12	9.673	1116	1121	1132	rVB	896012	1817210	67.78%	5.487%
13	10.084	1183	1191	1199	rBV2	32410	62671	2.34%	0.189%
14	10.701	1289	1296	1303	rBV	260399	467182	17.43%	1.411%
15	11.829	1483	1488	1495	rVB3	29470	53338	1.99%	0.161%
16	12.269	1558	1563	1573	rBV3	34222	63807	2.38%	0.193%
17	12.880	1662	1667	1672	rBV2	18993	38149	1.42%	0.115%
18	13.033	1689	1693	1699	rBV5	18730	35771	1.33%	0.108%
19	13.098	1700	1704	1708	rVB6	20329	30180	1.13%	0.091%
20	13.162	1708	1715	1726	rVB	1197357	1955019	72.92%	5.903%
21	13.303	1729	1739	1745	rBV2	71600	152041	5.67%	0.459%
22	13.427	1753	1760	1768	rVB4	90419	210553	7.85%	0.636%
23	13.544	1776	1780	1785	rVB3	27408	42333	1.58%	0.128%
24	13.597	1785	1789	1795	rVB4	19458	28437	1.06%	0.086%
25	13.691	1801	1805	1810	rVB4	26626	43673	1.63%	0.132%
26	13.756	1810	1816	1827	rBV4	53490	117232	4.37%	0.354%
27	13.944	1841	1848	1853	rBV	51727	83831	3.13%	0.253%
28	13.996	1853	1857	1868	rVB	75580	121006	4.51%	0.365%
29	14.261	1897	1902	1908	rVB8	17732	32123	1.20%	0.097%
30	14.549	1943	1951	1959	rVV	424894	717573	26.76%	2.167%
31	14.895	2001	2010	2016	rBV2	406986	743602	27.74%	2.245%
32	14.954	2016	2020	2027	rVV	288546	419875	15.66%	1.268%
33	15.054	2029	2037	2044	rVV	78375	131069	4.89%	0.396%
34	15.453	2099	2105	2106	rBV6	18951	31603	1.18%	0.095%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\
Data File : BG045885.D
Acq On : 30 Jun 2020 15:25
Operator : CG/JU
Sample : L3148-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EPEC-POLYMERS-04

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.488	2107	2111	2118	rVB3	67067	113100	4.22%	0.341%
36	15.594	2122	2129	2134	rBV3	89271	159114	5.93%	0.480%
37	15.665	2138	2141	2148	rVB8	41391	69161	2.58%	0.209%
38	15.817	2164	2167	2173	rVB6	31624	52072	1.94%	0.157%
39	15.964	2188	2192	2196	rVB	45050	68379	2.55%	0.206%
40	16.047	2197	2206	2218	rVV	1296981	2039668	76.08%	6.158%
41	16.141	2218	2222	2225	rVV5	21791	37547	1.40%	0.113%
42	16.211	2225	2234	2236	rVV4	74330	186183	6.94%	0.562%
43	16.246	2236	2240	2245	rVV	653234	947560	35.34%	2.861%
44	16.299	2245	2249	2253	rVV	148262	236648	8.83%	0.715%
45	16.346	2253	2257	2262	rVB2	61467	94046	3.51%	0.284%
46	16.751	2322	2326	2330	rBV3	86809	137206	5.12%	0.414%
47	17.298	2413	2419	2425	rBV	515294	777888	29.01%	2.349%
48	17.433	2435	2442	2447	rBV	553893	967812	36.10%	2.922%
49	17.480	2447	2450	2456	rVV	252428	385090	14.36%	1.163%
50	17.527	2456	2458	2463	rVB2	33484	46847	1.75%	0.141%
51	17.633	2473	2476	2481	rVB	93788	119330	4.45%	0.360%
52	17.686	2481	2485	2488	rBV2	63788	86385	3.22%	0.261%
53	17.733	2488	2493	2497	rBV2	114721	167555	6.25%	0.506%
54	17.791	2498	2503	2505	rBV6	49603	85366	3.18%	0.258%
55	17.873	2512	2517	2521	rVB3	124048	254043	9.48%	0.767%
56	17.979	2525	2535	2547	rBV3	124580	441118	16.45%	1.332%
57	18.108	2548	2557	2565	rBV	260778	893757	33.34%	2.698%
58	18.208	2571	2574	2579	rVB5	80721	110264	4.11%	0.333%
59	18.672	2650	2653	2656	rBV5	26989	33866	1.26%	0.102%
60	18.719	2657	2661	2667	rVV6	70898	135209	5.04%	0.408%
61	18.778	2667	2671	2679	rVB3	87045	185473	6.92%	0.560%
62	18.960	2698	2702	2706	rVB	84824	110383	4.12%	0.333%
63	19.037	2712	2715	2720	rVB2	54133	76433	2.85%	0.231%
64	19.101	2722	2726	2732	rVB3	52678	92067	3.43%	0.278%
65	19.160	2732	2736	2737	rBV4	38004	45462	1.70%	0.137%
66	19.272	2750	2755	2763	rVB	68517	124121	4.63%	0.375%
67	19.366	2767	2771	2775	rVV5	47698	76854	2.87%	0.232%
68	19.407	2775	2778	2782	rVB6	26660	34671	1.29%	0.105%
69	19.665	2817	2822	2827	rBV4	111858	183743	6.85%	0.555%
70	19.777	2839	2841	2851	rVB9	56122	76449	2.85%	0.231%
71	19.918	2859	2865	2871	rBV	2117267	2681037	100.00%	8.095%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\
Data File : BG045885.D
Acq On : 30 Jun 2020 15:25
Operator : CG/JU
Sample : L3148-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EPEC-POLYMERS-04

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	20.088	2890	2894	2900	rBV2	94311	179309	6.69%	0.541%
73	20.229	2916	2918	2922	rVB2	32202	31463	1.17%	0.095%
74	20.370	2938	2942	2946	rBV6	26882	46862	1.75%	0.141%
75	20.811	3014	3017	3022	rBV	63620	93051	3.47%	0.281%
76	20.864	3022	3026	3033	rVV2	147514	241003	8.99%	0.728%
77	20.946	3037	3040	3049	rVB	102821	130137	4.85%	0.393%
78	21.151	3071	3075	3082	rBV4	93865	186223	6.95%	0.562%
79	21.216	3082	3086	3093	rVB2	180078	296660	11.07%	0.896%
80	21.287	3094	3098	3101	rBV	96666	128370	4.79%	0.388%
81	21.451	3121	3126	3133	rVB	1063894	1508043	56.25%	4.553%
82	21.557	3138	3144	3150	rVB	468034	795558	29.67%	2.402%
83	21.680	3160	3165	3170	rBV3	122965	229533	8.56%	0.693%
84	22.338	3274	3277	3286	rVB2	79997	135760	5.06%	0.410%
85	22.620	3318	3325	3335	rVB3	107602	278711	10.40%	0.842%
86	22.761	3345	3349	3353	rVB	67103	95997	3.58%	0.290%
87	23.008	3387	3391	3400	rVB3	71774	133120	4.97%	0.402%
88	23.724	3509	3513	3519	rVB4	66598	131531	4.91%	0.397%
89	24.670	3666	3674	3689	rVB3	315607	1011025	37.71%	3.053%

Sum of corrected areas: 33120734

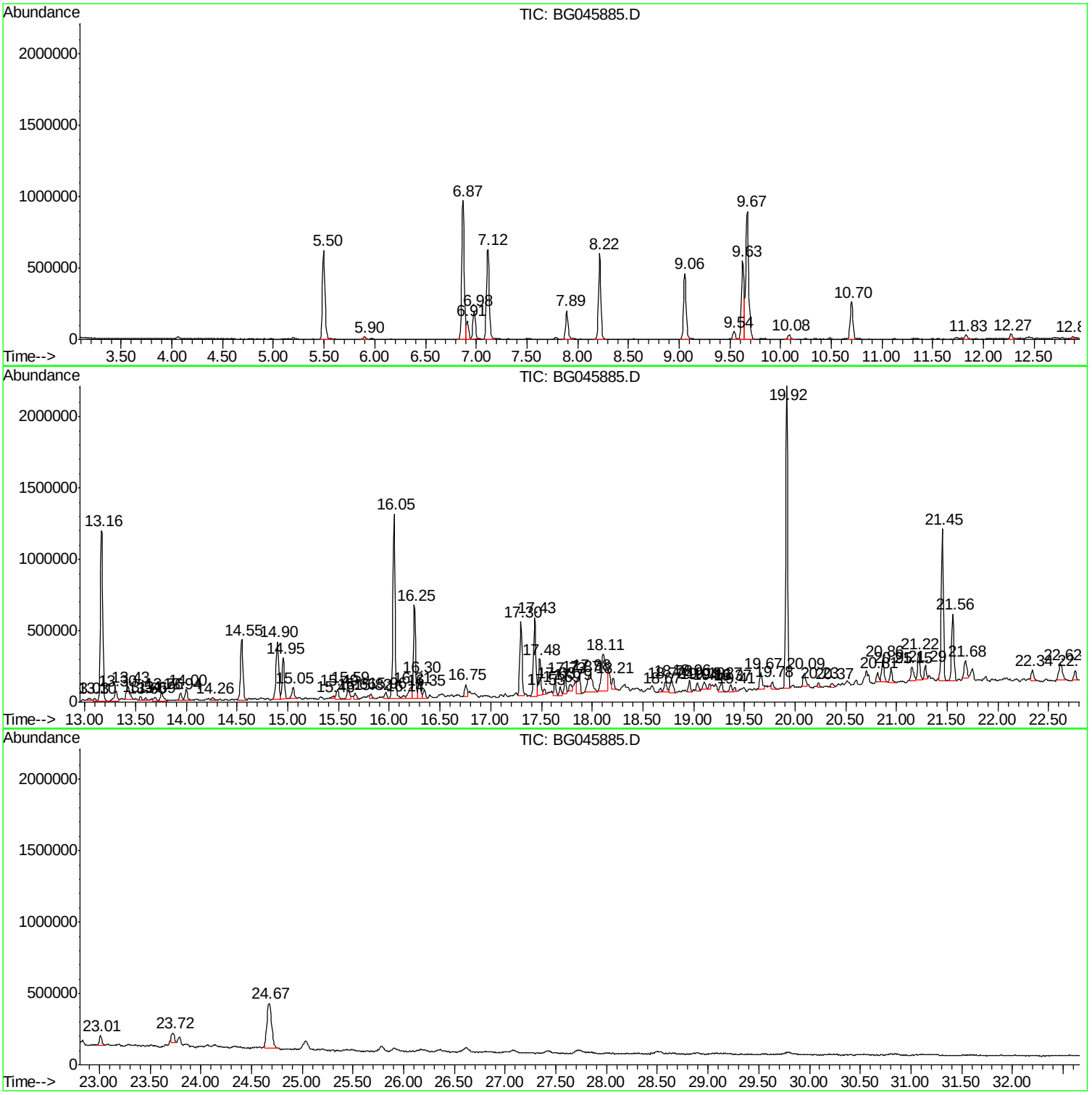
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\
Data File : BG045885.D
Acq On : 30 Jun 2020 15:25
Operator : CG/JU
Sample : L3148-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EPEC-POLYMERS-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\
Data File : BG045885.D
Acq On : 30 Jun 2020 15:25
Operator : CG/JU
Sample : L3148-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EPEC-POLYMERS-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

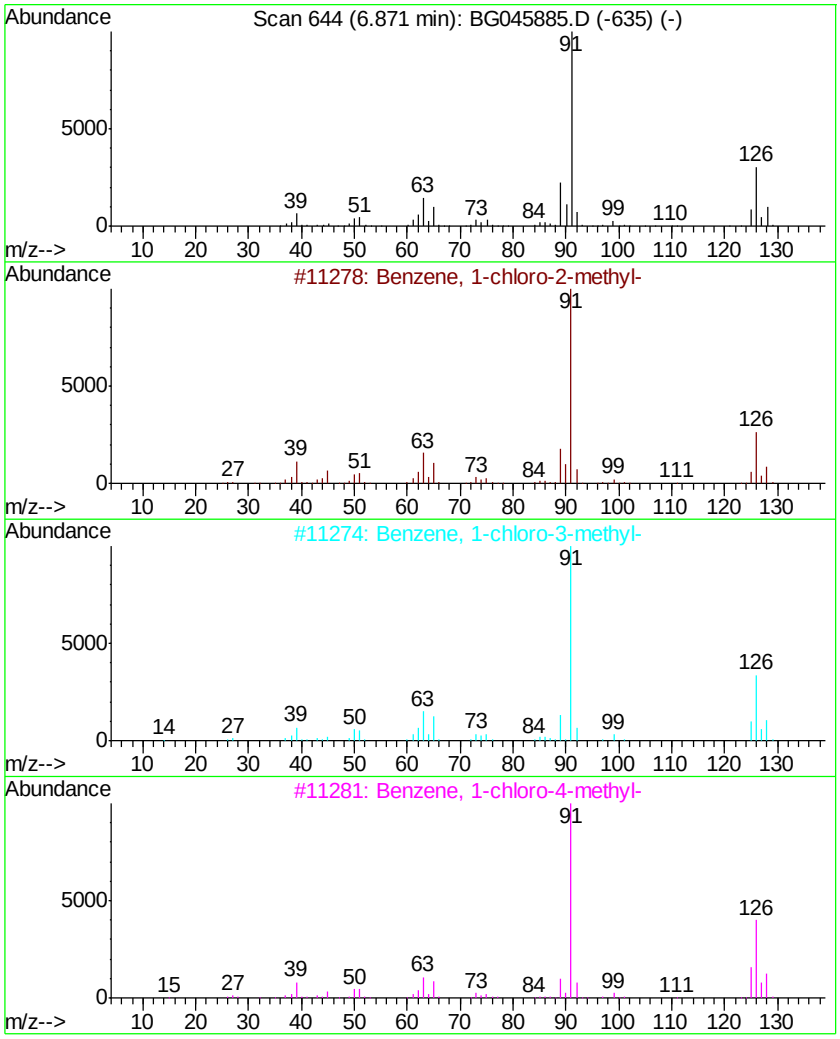
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

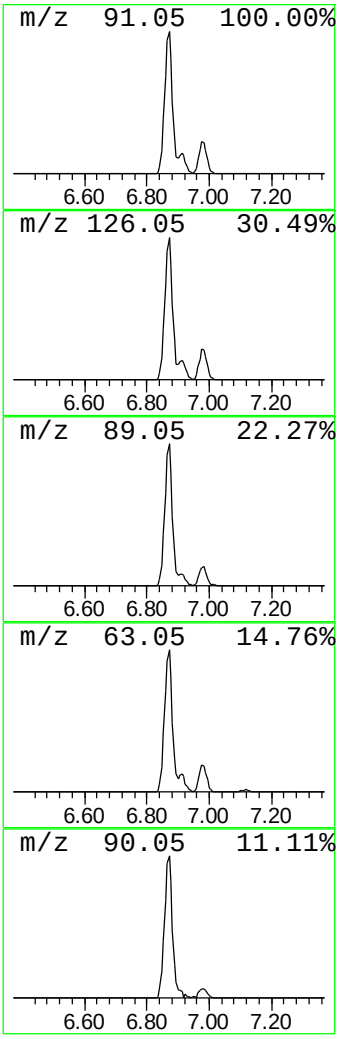
****

Peak Number 1 Benzene, 1-chloro-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.87	95.61 ng	1706290	1,4-Dichlorobenzene-d4	7.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-2-methyl-	126	C7H7Cl	000095-49-8	96
2	Benzene, 1-chloro-3-methyl-	126	C7H7Cl	000108-41-8	95
3	Benzene, 1-chloro-4-methyl-	126	C7H7Cl	000106-43-4	81
4	Benzyl chloride	126	C7H7Cl	000100-44-7	68
5	Benzene, 1-nitro-4-(phenylmethoxy)-	229	C13H11NO3	001145-76-2	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\
Data File : BG045885.D
Acq On : 30 Jun 2020 15:25
Operator : CG/JU
Sample : L3148-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EPEC-POLYMERS-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

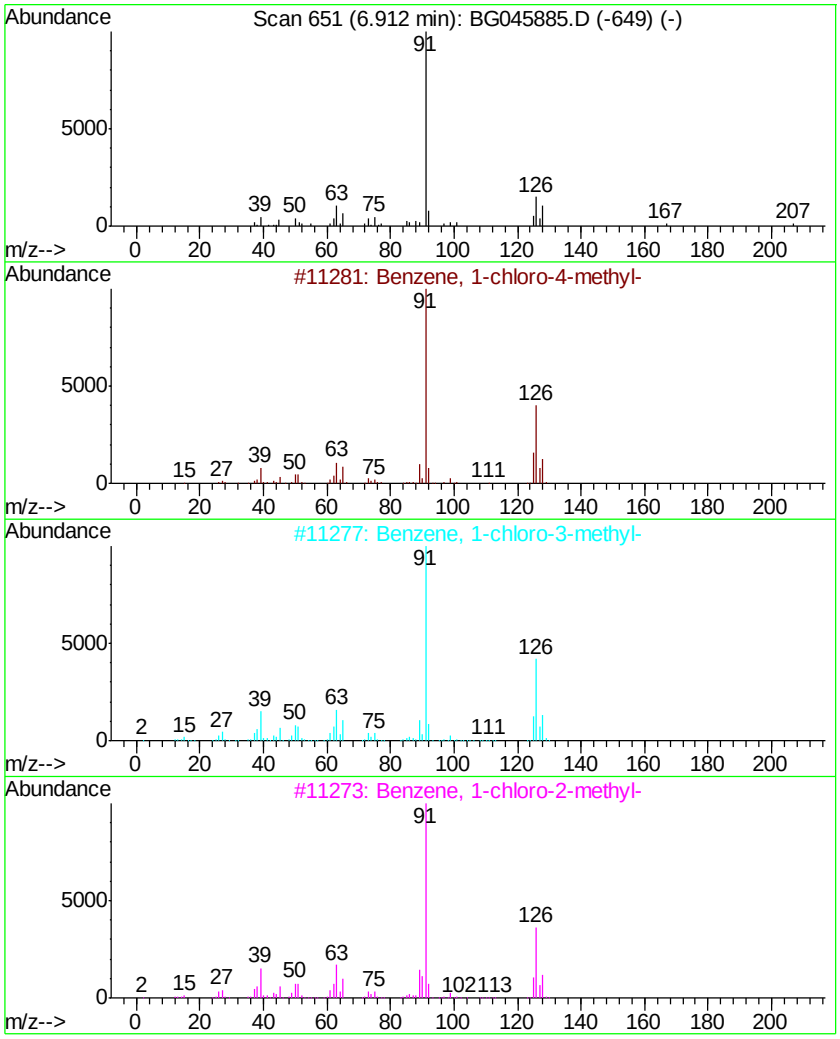
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

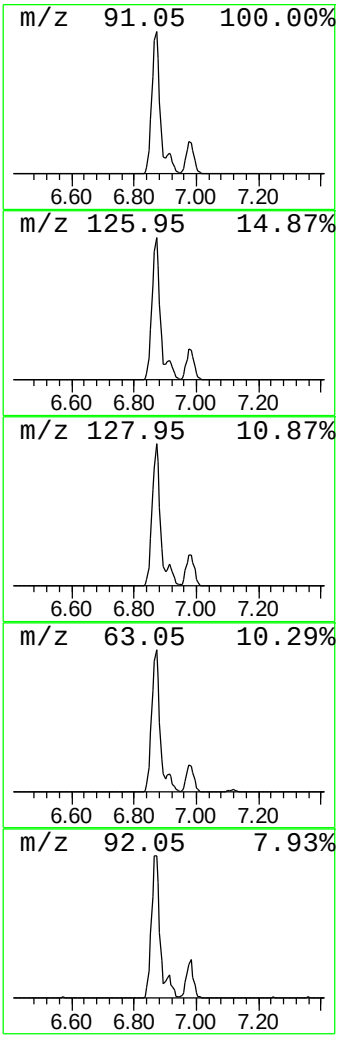
****

Peak Number 2 Benzene, 1-chloro-3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.91	9.59 ng	171174	1,4-Dichlorobenzene-d4	7.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-4-methyl-	126	C7H7Cl	000106-43-4	86
2	Benzene, 1-chloro-3-methyl-	126	C7H7Cl	000108-41-8	78
3	Benzene, 1-chloro-2-methyl-	126	C7H7Cl	000095-49-8	64
4	Benzyl chloride	126	C7H7Cl	000100-44-7	53
5	Spiro[3.3]hepta-1,5-diene	92	C7H8	022635-78-5	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\
Data File : BG045885.D
Acq On : 30 Jun 2020 15:25
Operator : CG/JU
Sample : L3148-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EPEC-POLYMERS-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

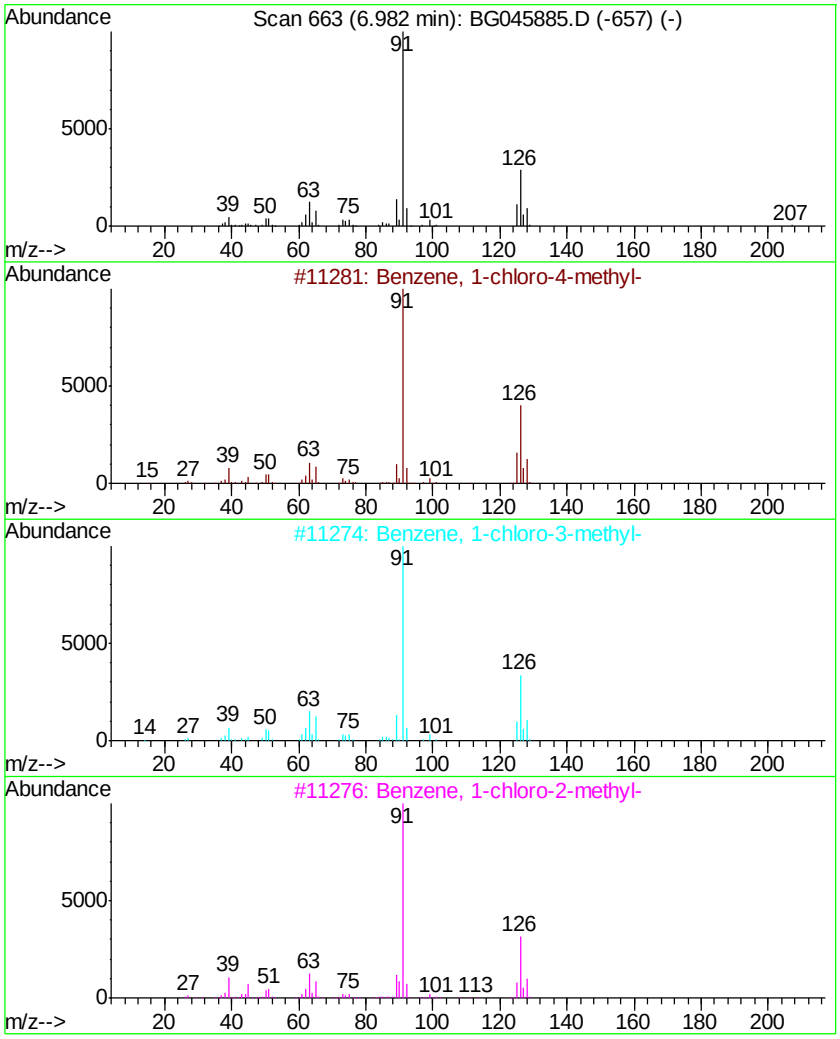
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

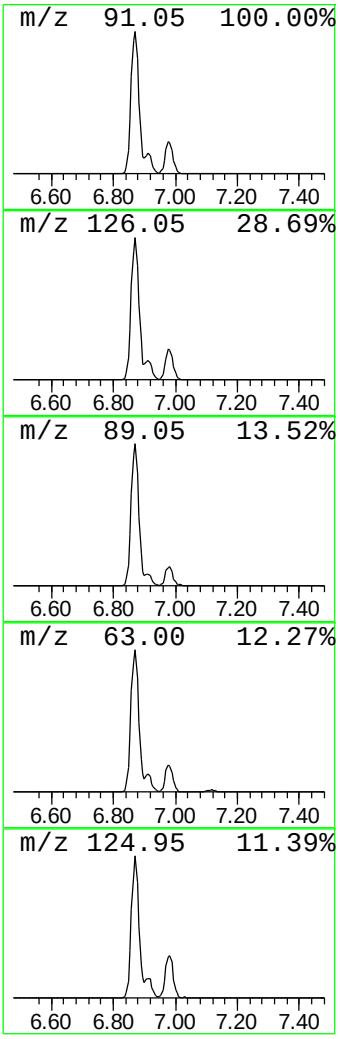
****

Peak Number 3 Benzene, 1-chloro-4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	18.86 ng	336505	1,4-Dichlorobenzene-d4	7.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-4-methyl-	126	C7H7Cl	000106-43-4	96
2	Benzene, 1-chloro-3-methyl-	126	C7H7Cl	000108-41-8	96
3	Benzene, 1-chloro-2-methyl-	126	C7H7Cl	000095-49-8	94
4	Benzyl chloride	126	C7H7Cl	000100-44-7	81
5	2-(p-Chlorophenyl)-ethylamine	155	C8H10ClN	000156-41-2	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\
Data File : BG045885.D
Acq On : 30 Jun 2020 15:25
Operator : CG/JU
Sample : L3148-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EPEC-POLYMERS-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

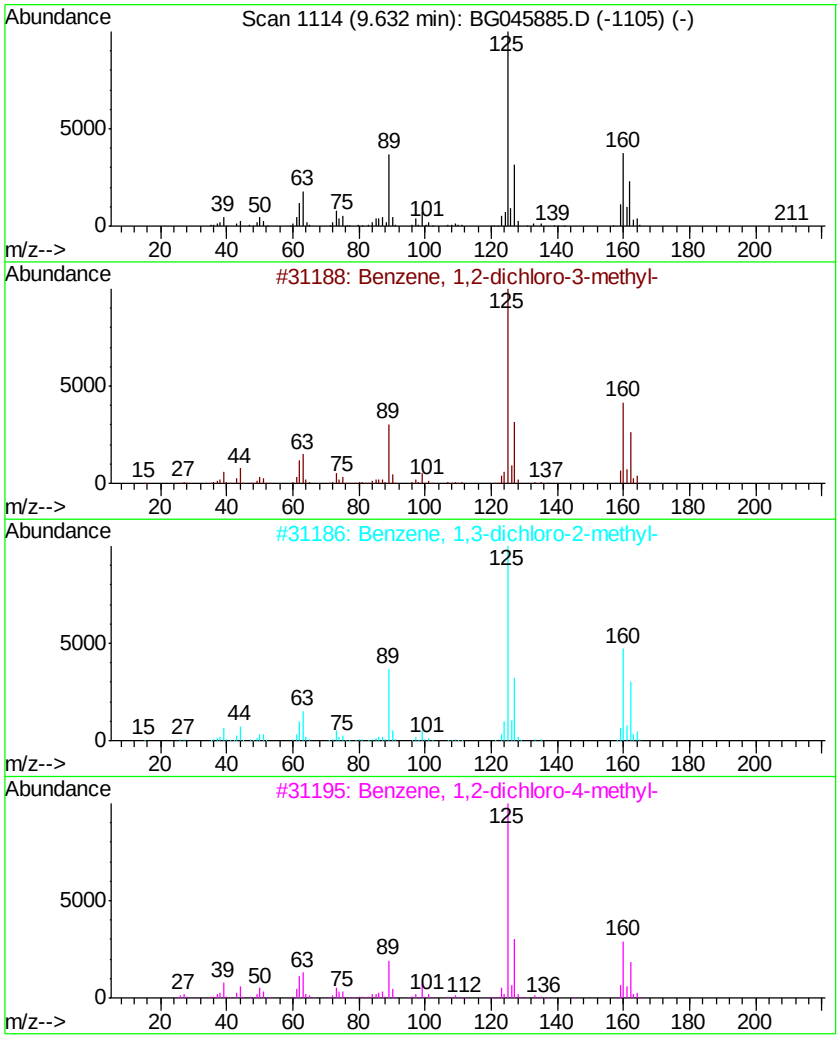
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

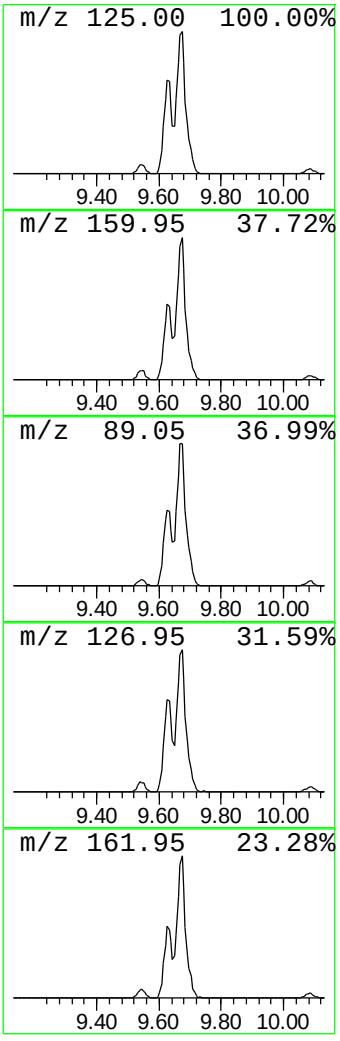
****

Peak Number 5 Benzene, 1,2-dichloro-3-met... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	40.32 ng	941838	Naphthalene-d8	10.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dichloro-3-methyl-	160	C7H6Cl2	032768-54-0	97
2	Benzene, 1,3-dichloro-2-methyl-	160	C7H6Cl2	000118-69-4	97
3	Benzene, 1,2-dichloro-4-methyl-	160	C7H6Cl2	000095-75-0	96
4	Benzene, 1,4-dichloro-2-methyl-	160	C7H6Cl2	019398-61-9	96
5	Benzene, 2,4-dichloro-1-methyl-	160	C7H6Cl2	000095-73-8	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\
Data File : BG045885.D
Acq On : 30 Jun 2020 15:25
Operator : CG/JU
Sample : L3148-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EPEC-POLYMERS-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

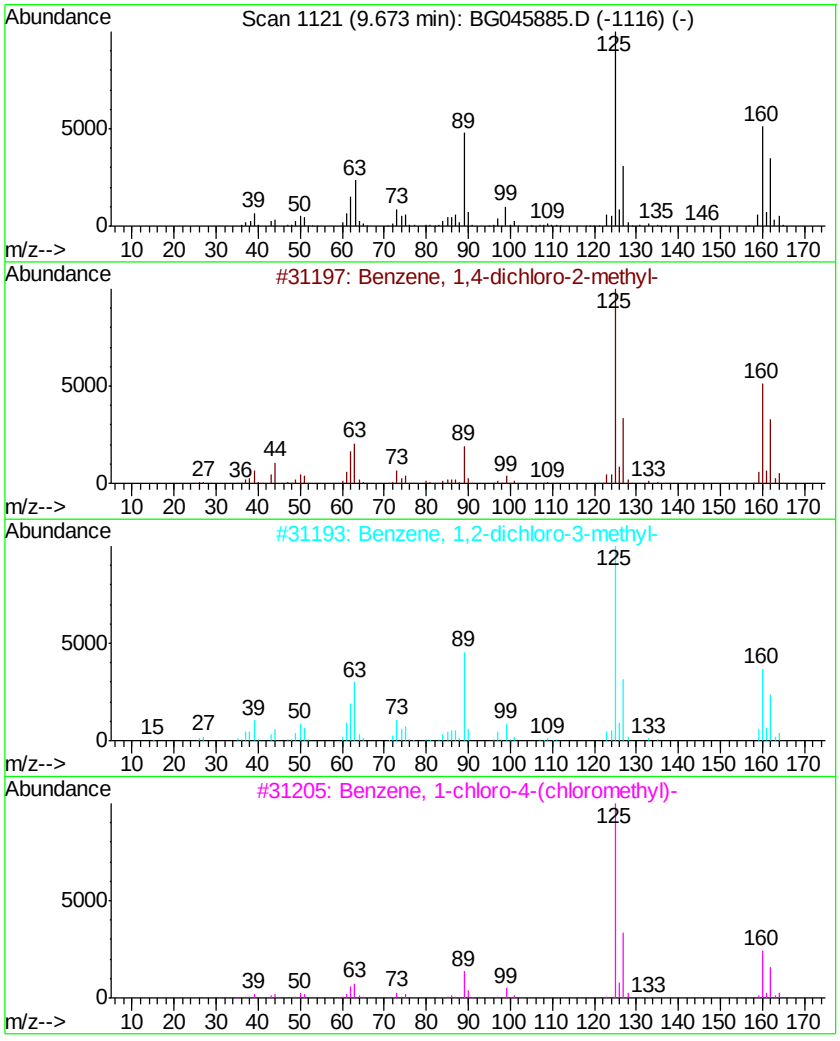
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

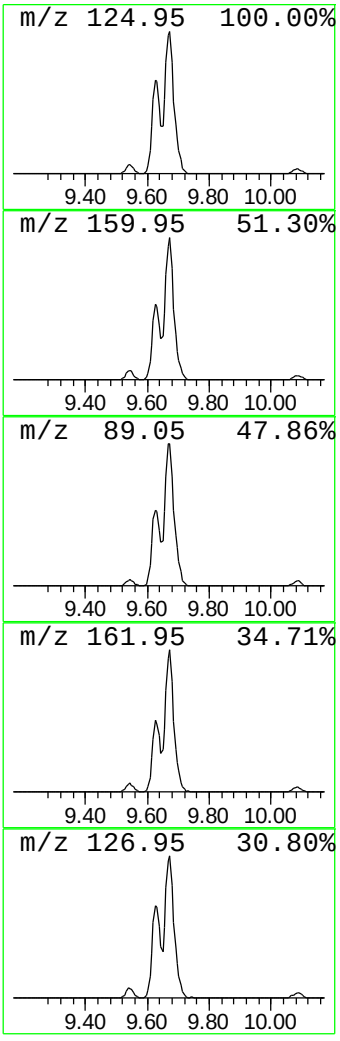
****

Peak Number 6 Benzene, 1,4-dichloro-2-met... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	77.79 ng	1817210	Naphthalene-d8	10.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dichloro-2-methyl-	160	C7H6Cl2	019398-61-9	96
2	Benzene, 1,2-dichloro-3-methyl-	160	C7H6Cl2	032768-54-0	95
3	Benzene, 1-chloro-4-(chloromethyl)-	160	C7H6Cl2	000104-83-6	94
4	Benzene, 1,3-dichloro-5-methyl-	160	C7H6Cl2	025186-47-4	93
5	Benzene, 1,2-dichloro-4-methyl-	160	C7H6Cl2	000095-75-0	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\
Data File : BG045885.D
Acq On : 30 Jun 2020 15:25
Operator : CG/JU
Sample : L3148-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EPEC-POLYMERS-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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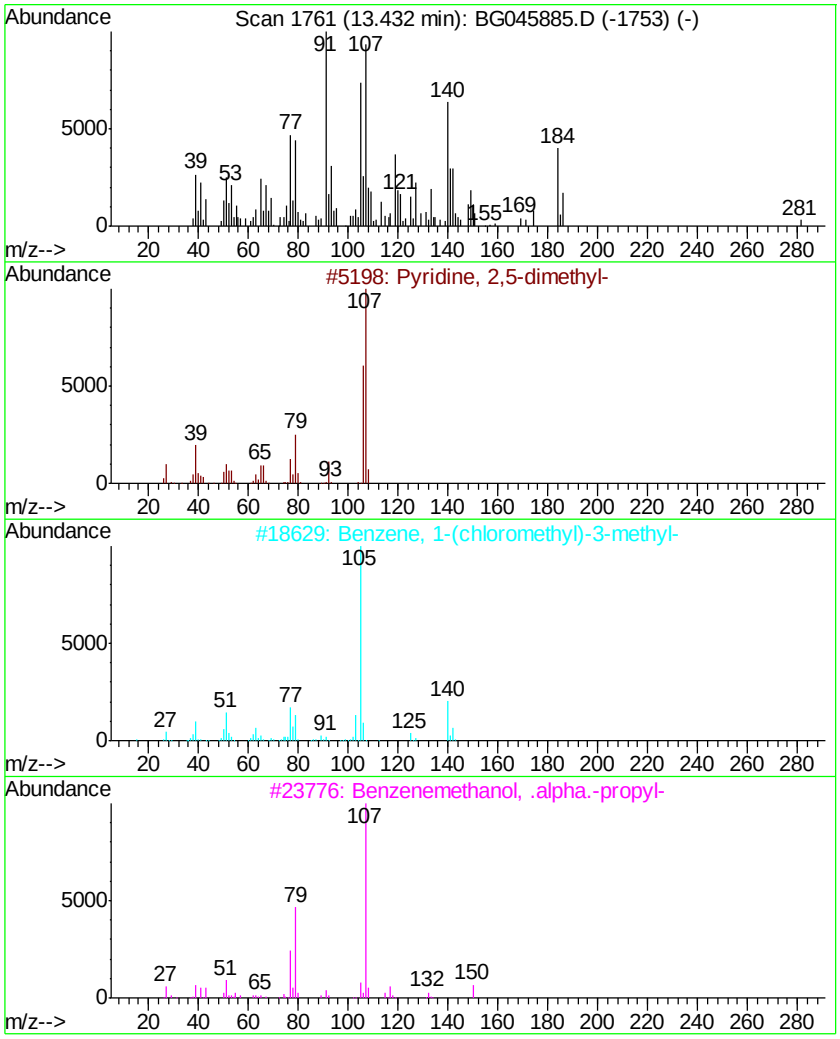
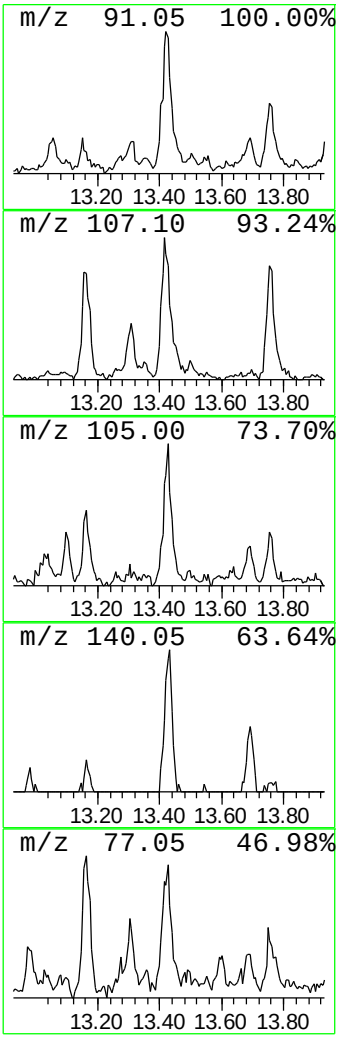
Peak Number 7 unknown13.43 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	5.87 ng	210553	Acenaphthene-d10	14.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,5-dimethyl-	107	C7H9N	000589-93-5	30
2	Benzene, 1-(chloromethyl)-3-methyl-	140	C8H9Cl	000620-19-9	30
3	Benzenemethanol, .alpha.-propyl-	150	C10H14O	000614-14-2	30
4	Oxirane, [(phenylmethoxy)methyl]-	164	C10H12O2	002930-05-4	27
5	Pyridine, 2,4-dimethyl-	107	C7H9N	000108-47-4	27





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Operator : CG/JU
Sample : L3148-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EPEC-POLYMERS-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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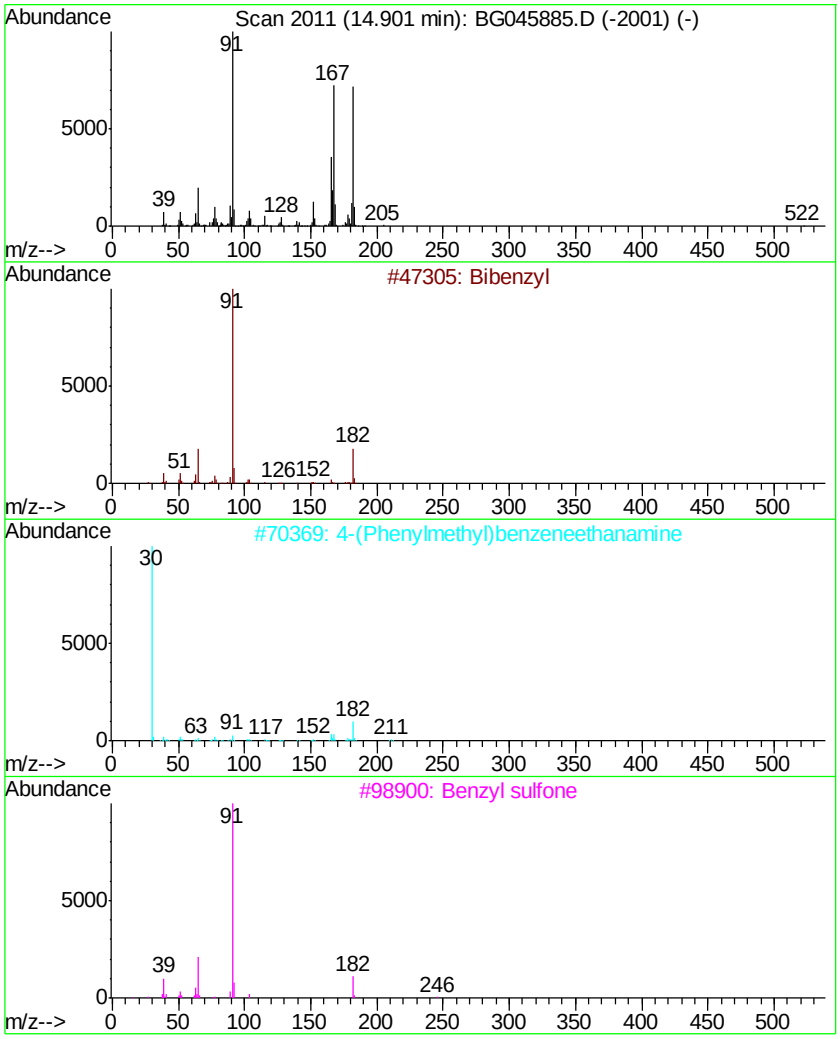
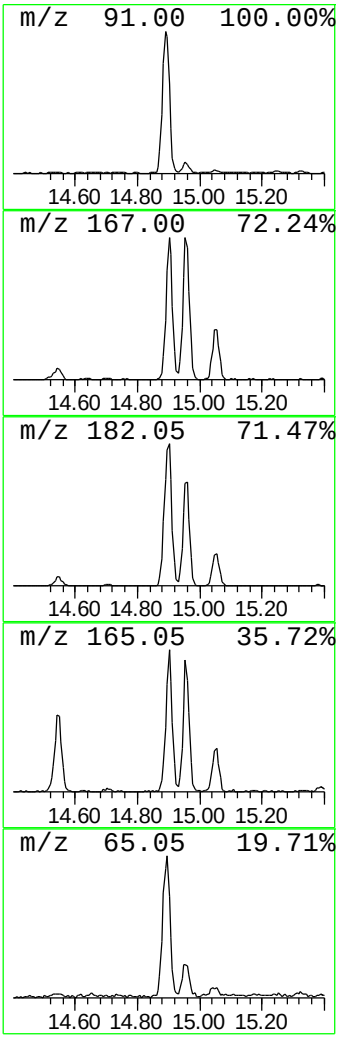
Peak Number 8 Bibenzyl Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	20.73 ng	743602	Acenaphthene-d10	14.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bibenzyl	182	C14H14	000103-29-7	55
2	4-(Phenylmethyl)benzeneethanamine	211	C15H17N	108714-30-3	42
3	Benzyl sulfone	246	C14H14O2S	000620-32-6	32
4	Arsine,dimethylphenyl-	182	C8H11As	000696-26-4	32
5	Bi-1,3,5-cycloheptatrien-1-yl	182	C14H14	035393-05-6	27





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ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EPEC-POLYMERS-04

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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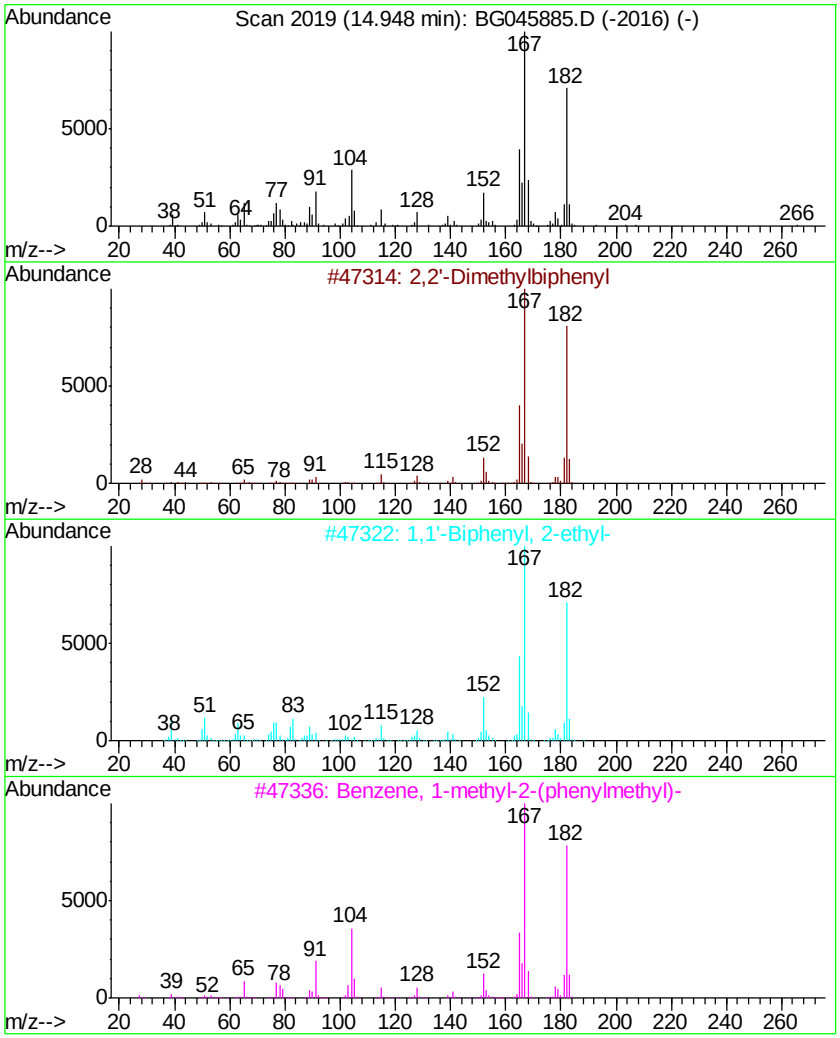
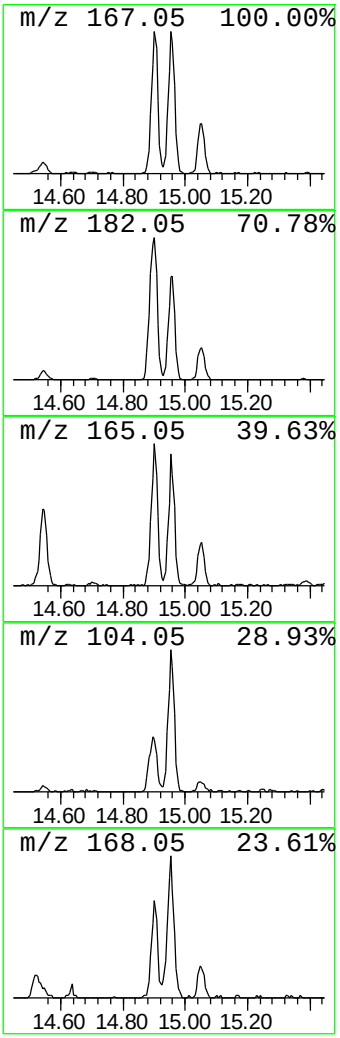
Peak Number 9 2,2'-Dimethylbiphenyl Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	11.70 ng	419875	Acenaphthene-d10	14.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	95
2	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	93
3	Benzene, 1-methyl-2-(phenylmethyl)-	182	C14H14	000713-36-0	93
4	Benzene, 1-methyl-3-(phenylmethyl)-	182	C14H14	000620-47-3	91
5	Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	90





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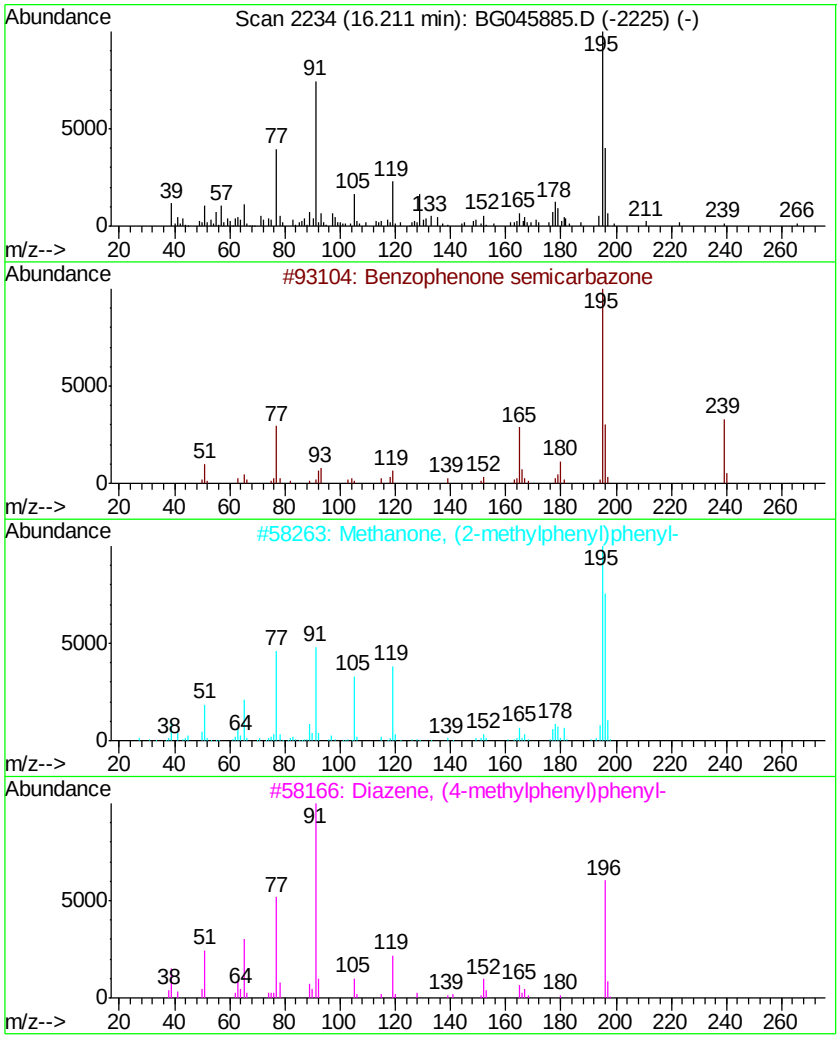
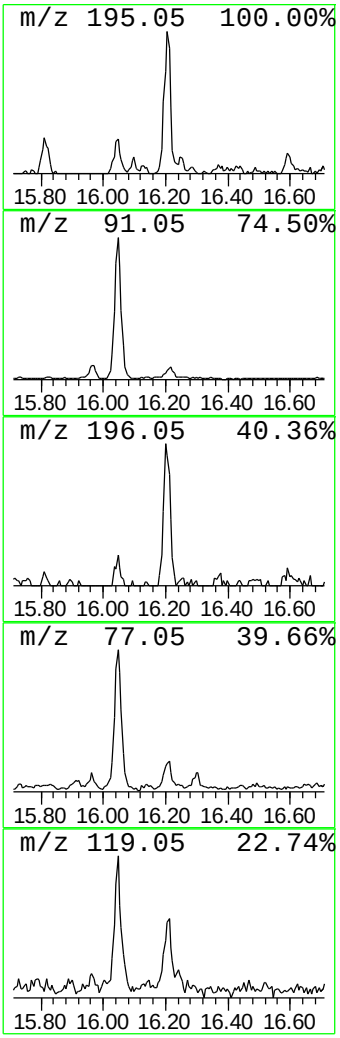
Peak Number 10 Benzophenone semicarbazone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	4.79 ng	186183	Phenanthrene-d10	17.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone semicarbazone	239	C14H13N3O	014066-73-0	59
2	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	55
3	Diazene, (4-methylphenyl)phenyl-	196	C13H12N2	000949-87-1	50
4	Diazene, (2-methylphenyl)phenyl-	196	C13H12N2	006676-90-0	46
5	3,5-Dinitrobenzhydrazide	226	C7H6N4O5	002900-63-2	43





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Misc :
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ClientSampleId : EPEC-POLYMERS-04

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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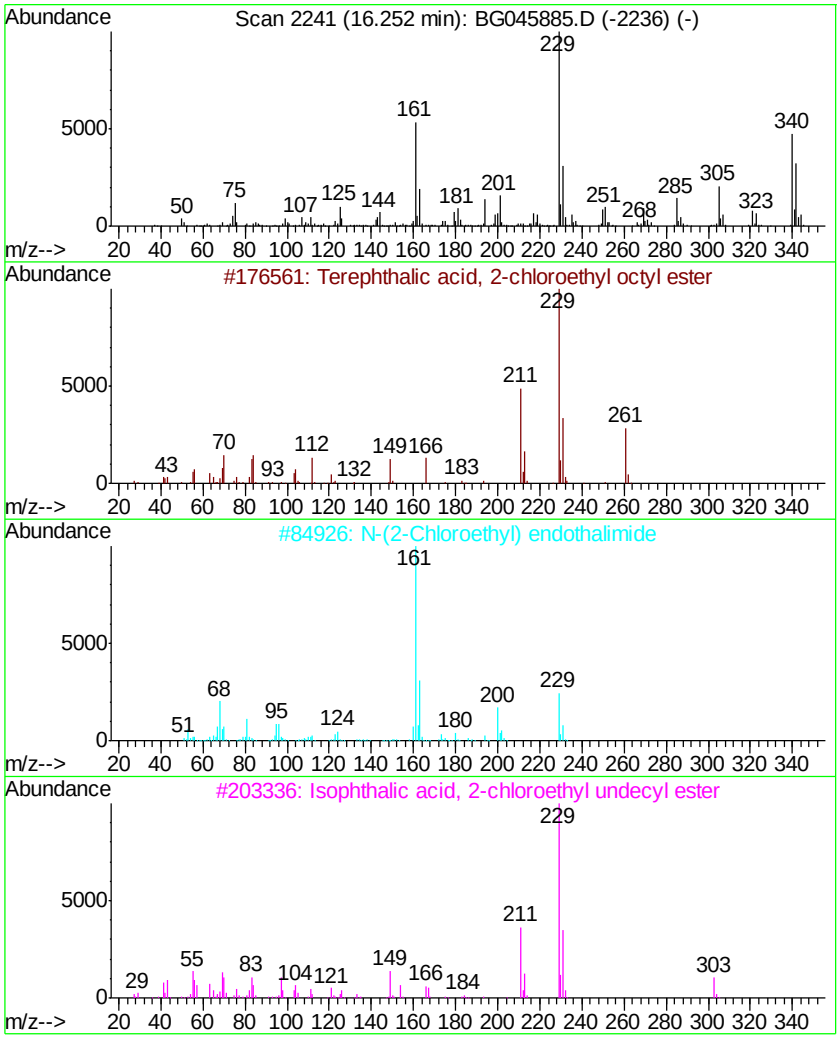
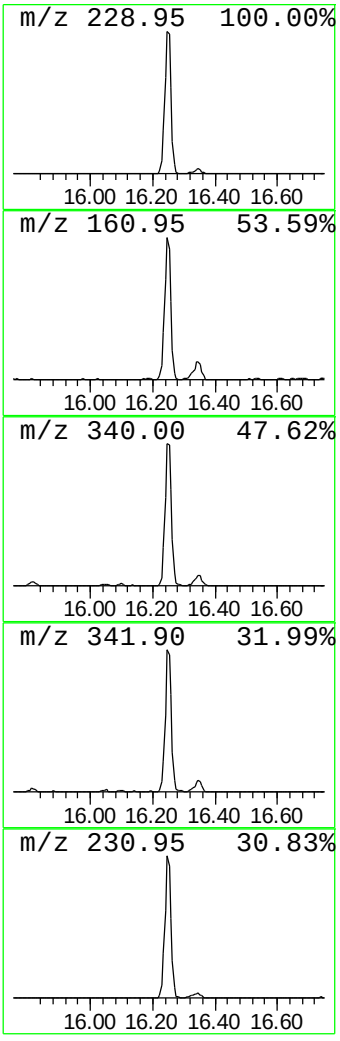
Peak Number 11 unknown16.25 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.25	24.36 ng	947560	Phenanthrene-d10	17.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Terephthalic acid, 2-chloroethyl...	340	C18H25ClO4	1000323-94-7	35
2	N-(2-Chloroethyl) endothalimide	229	C10H12ClNO3	1000290-21-1	28
3	Isophthalic acid, 2-chloroethyl ...	382	C21H31ClO4	1000345-87-4	25
4	4-Piperidino-1-oxo-1,2-dihydroph...	229	C13H15N3O	078755-15-4	25
5	Benzene, 2,4-dichloro-1-(trichlo...	262	C7H3Cl5	013014-18-1	25





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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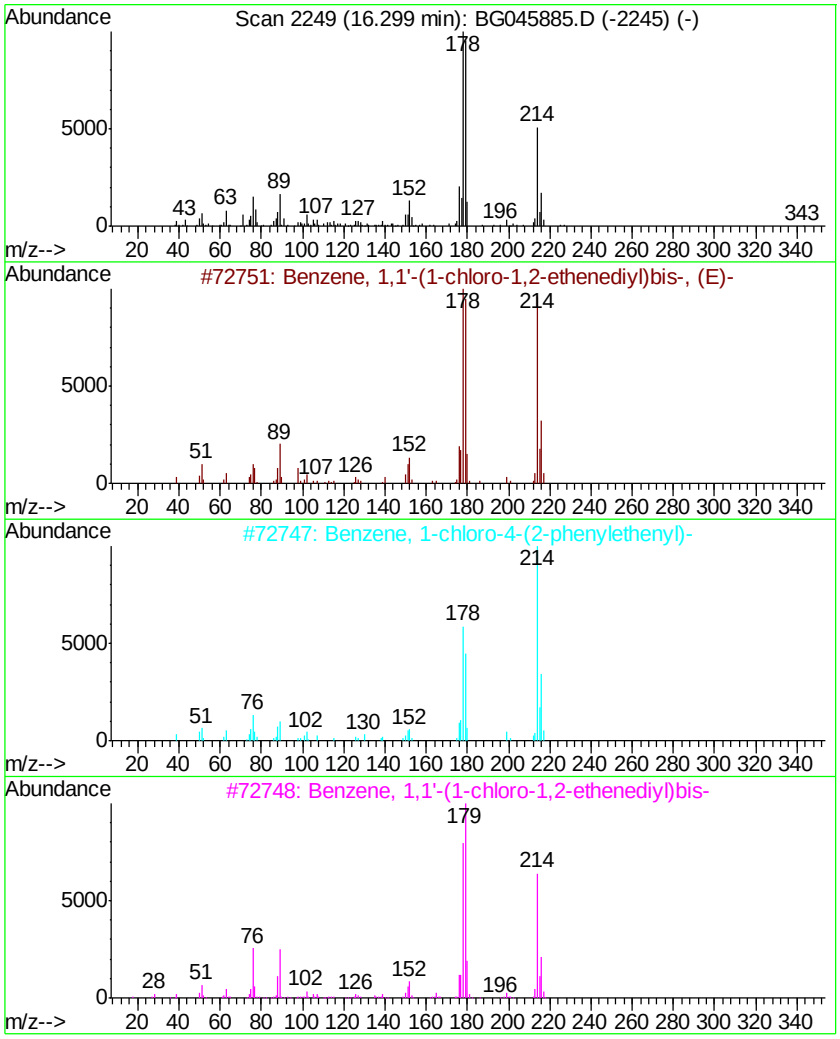
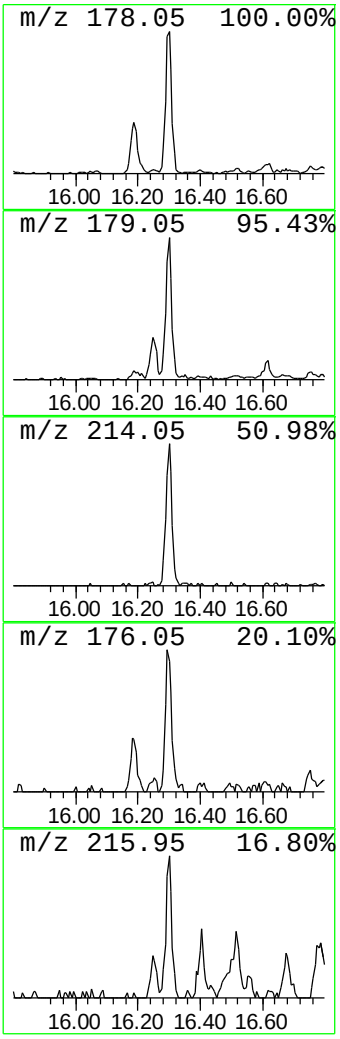
Peak Number 12 Benzene, 1,1'-(1-chloro-1,2... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	6.08 ng	236648	Phenanthrene-d10	17.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1-chloro-1,2-ethe...	214	C14H11Cl	000948-98-1	94
2	Benzene, 1-chloro-4-(2-phenyleth...	214	C14H11Cl	004714-23-2	94
3	Benzene, 1,1'-(1-chloro-1,2-ethe...	214	C14H11Cl	001460-06-6	93
4	Benzene, 1-chloro-4-(1-phenyleth...	214	C14H11Cl	018218-20-7	91
5	Benzene, 1-chloro-3-(2-phenyleth...	214	C14H11Cl	024942-77-6	91





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ClientSampleId : EPEC-POLYMERS-04

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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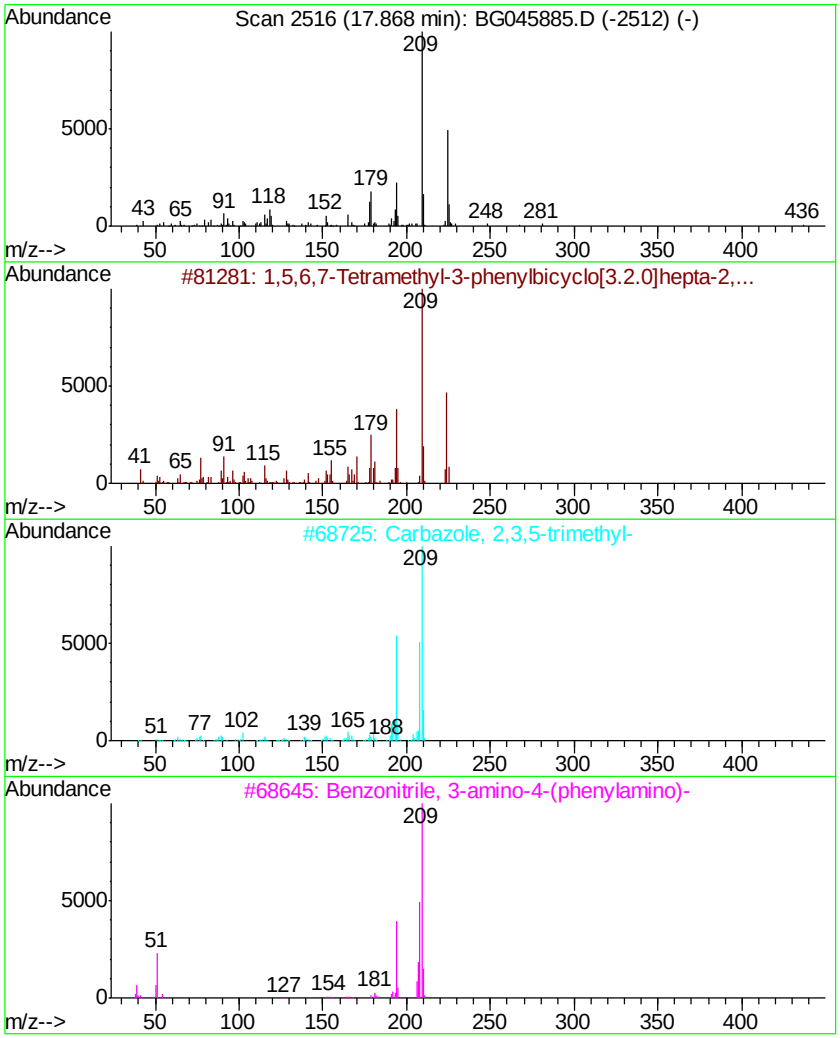
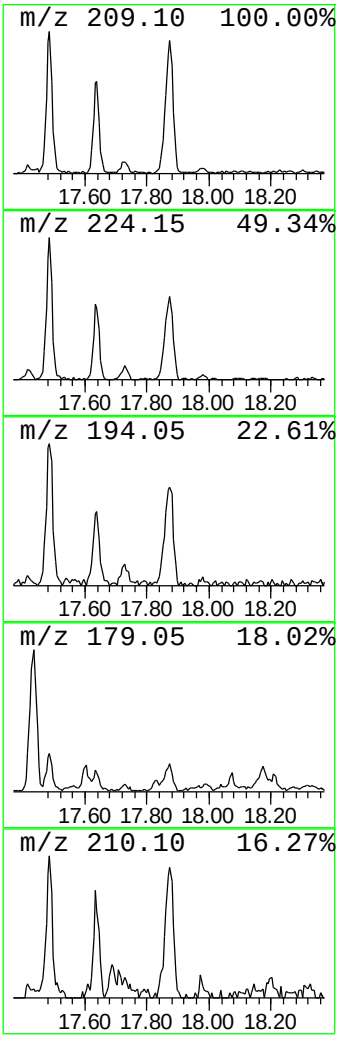
Peak Number 13 1,5,6,7-Tetramethyl-3-pheny... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	6.53 ng	254043	Phenanthrene-d10	17.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5,6,7-Tetramethyl-3-phenylbicy...	224	C17H20	126584-00-7	80
2	Carbazole, 2,3,5-trimethyl-	209	C15H15N	078787-85-6	47
3	Benzonitrile, 3-amino-4-(phenyla...	209	C13H11N3	1000317-30-9	47
4	Benzoic acid, 4-[(trimethylsilyl...	224	C11H16O3Si	027739-17-9	45
5	1,4,7-Trimethyl-2-azafluorene	209	C15H15N	062736-78-1	38





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Misc :
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Instrument : BNA_G
ClientSampleId : EPEC-POLYMERS-04

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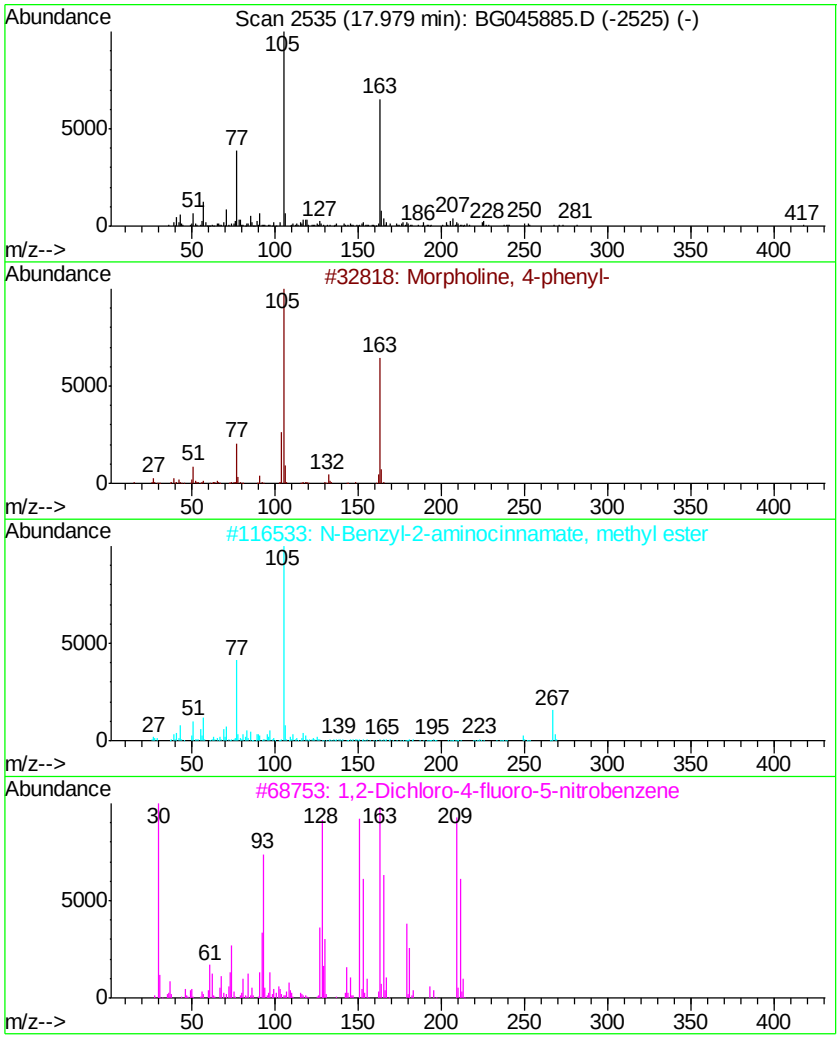
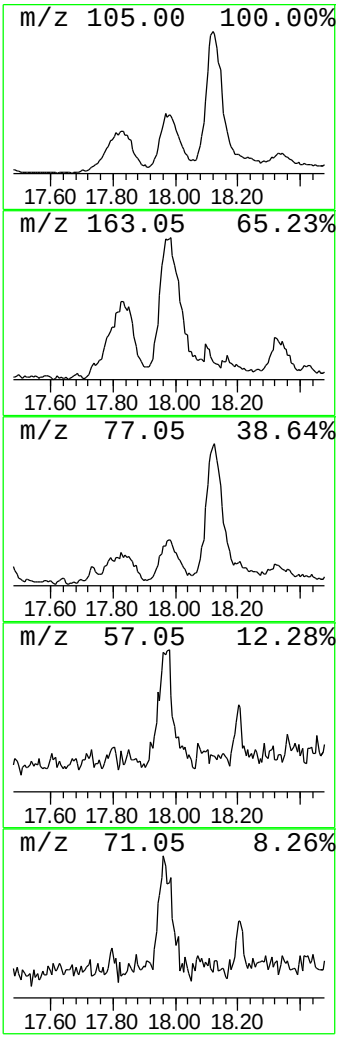
Peak Number 14 unknown17.98 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	11.34 ng	441118	Phenanthrene-d10	17.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Morpholine, 4-phenyl-	163	C10H13NO	000092-53-5	46
2	N-Benzyl-2-aminocinnamate, methy...	267	C17H17NO2	1000079-39-0	41
3	1,2-Dichloro-4-fluoro-5-nitroben...	209	C6H2Cl2FNO2	002339-78-8	38
4	Ethanone, 2-chloro-1,2-diphenyl-	230	C14H11ClO	000447-31-4	38
5	2H-Cyclopenta[d]pyridazine, 2-be...	374	C26H18N2O	301211-67-6	35





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ClientSampleId : EPEC-POLYMERS-04

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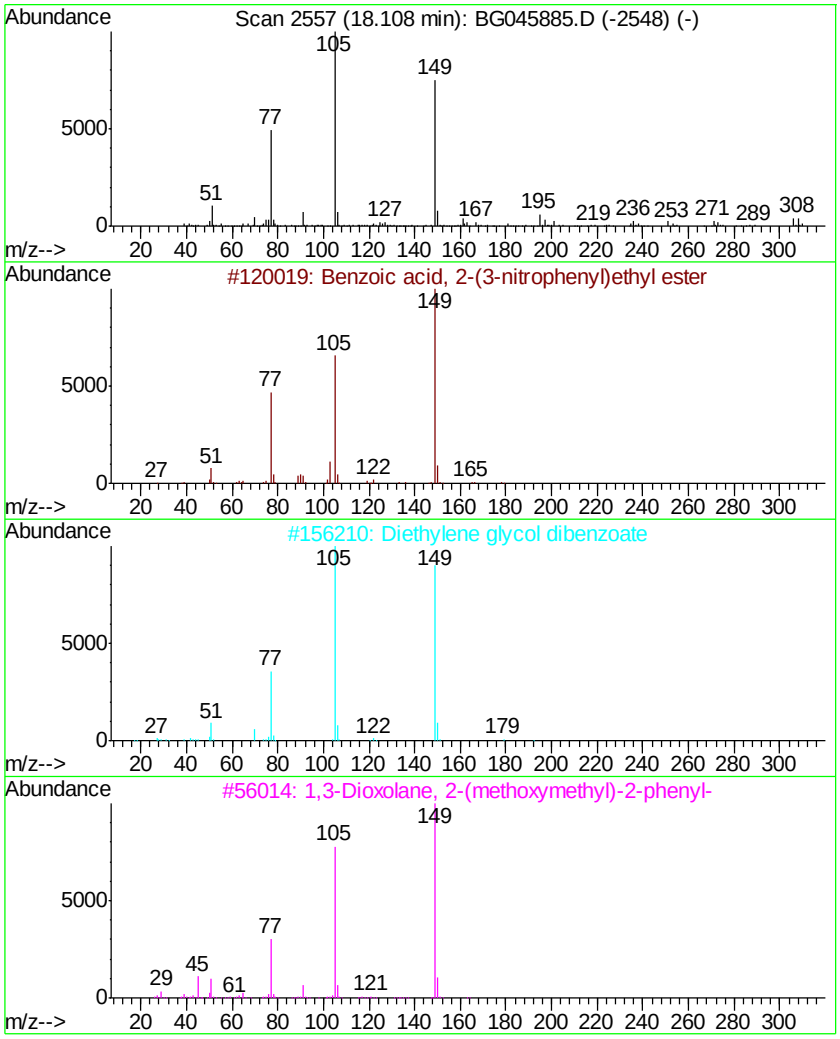
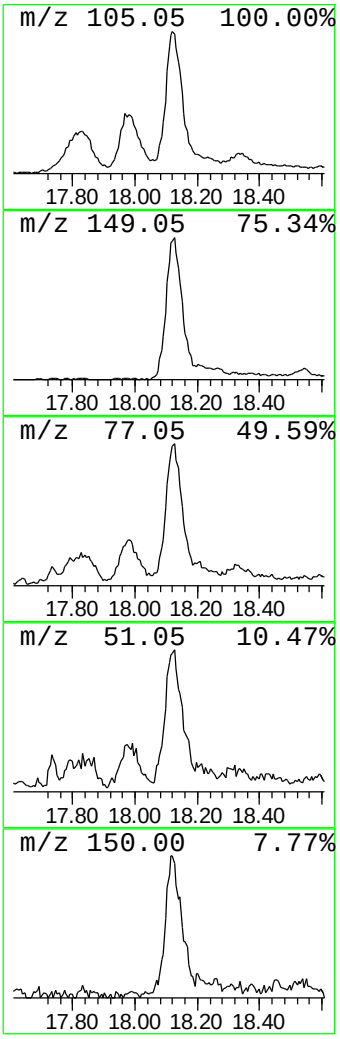
Peak Number 15 Benzoic acid, 2-(3-nitrophe... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	22.98 ng	893757	Phenanthrene-d10	17.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2-(3-nitrophenyl)e...	271	C15H13NO4	1000368-22-4	72
2	Diethylene glycol dibenzoate	314	C18H18O5	000120-55-8	58
3	1,3-Dioxolane, 2-(methoxymethyl)...	194	C11H14O3	1000156-71-2	53
4	Phthalic acid, hexyl 4-nitrophen...	371	C20H21NO6	1000309-76-7	38
5	Phthalic acid, 3-methylbutyl oct...	488	C31H52O4	1000356-81-9	38





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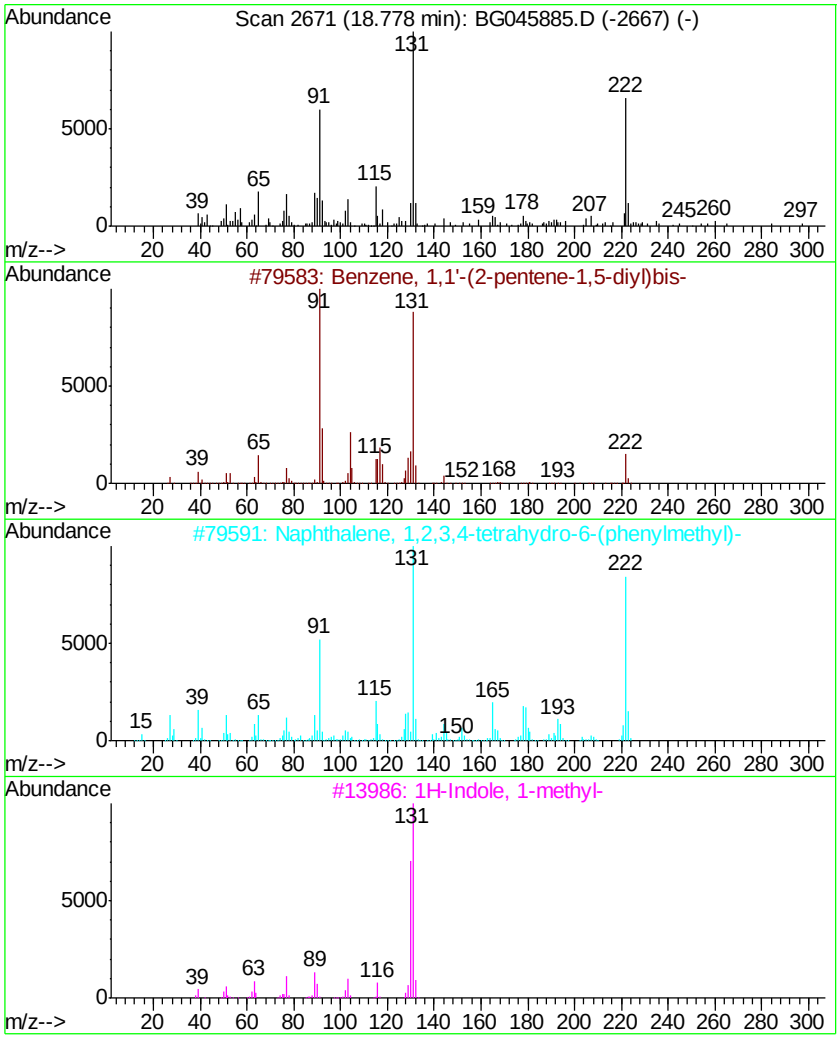
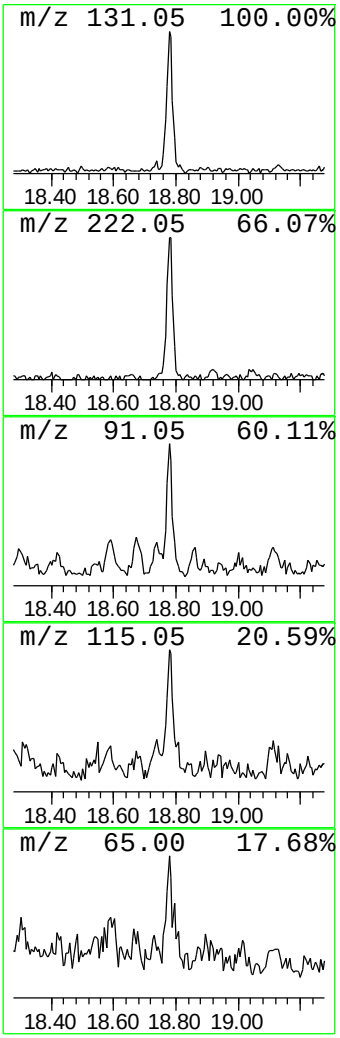
Peak Number 16 Benzene, 1,1'-(2-pentene-1,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	4.77 ng	185473	Phenanthrene-d10	17.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(2-pentene-1,5-div...	222	C17H18	040939-59-1	74
2	Naphthalene, 1,2,3,4-tetrahydro-...	222	C17H18	035310-85-1	72
3	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	55
4	Benzenepropanoic acid, 4-(1H-1,2...	218	C10H10N4O2	1000349-98-4	50
5	Indolizine, 6-methyl-	131	C9H9N	001761-11-1	38





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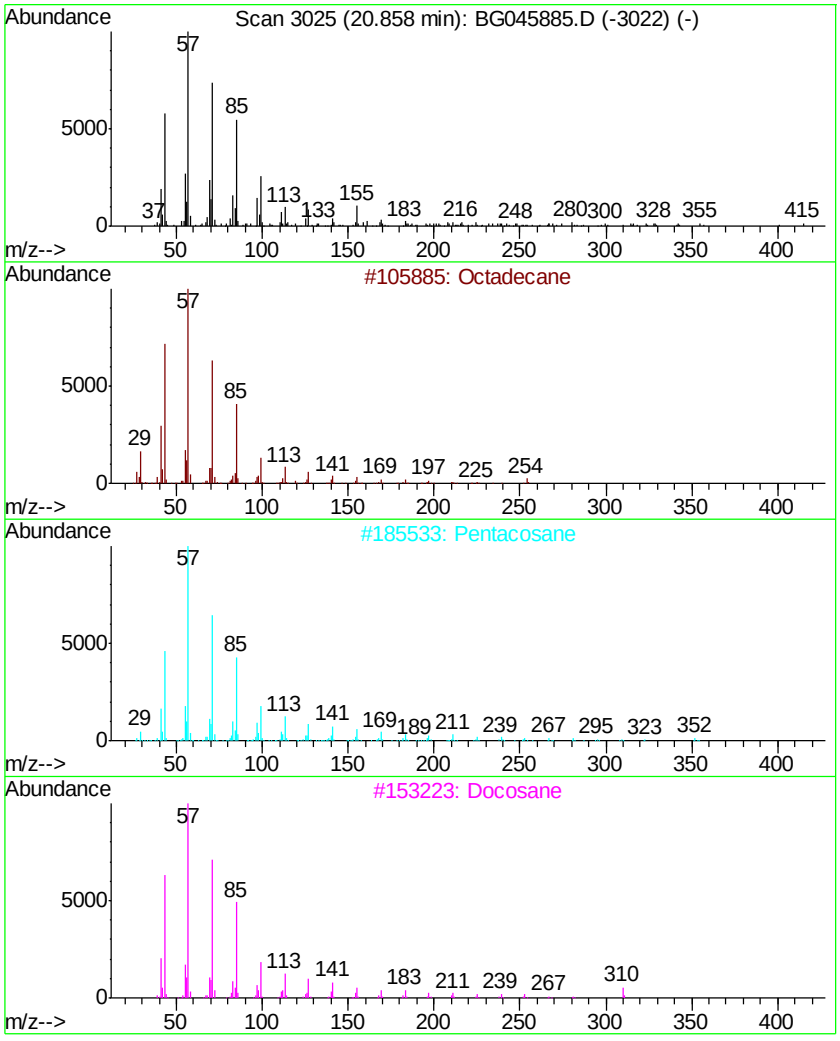
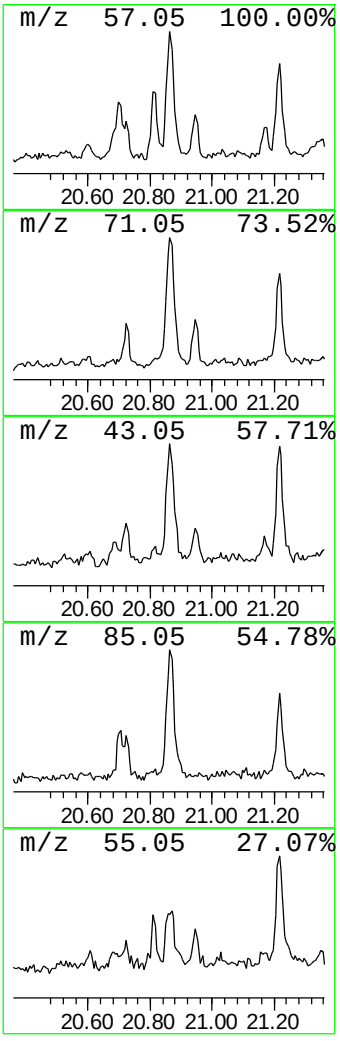
Peak Number 17 Octadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	6.06 ng	241003	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	87
2	Pentacosane	352	C25H52	000629-99-2	87
3	Docosane	310	C22H46	000629-97-0	86
4	Hentriacontane	437	C31H64	000630-04-6	86
5	Heptadecane	240	C17H36	000629-78-7	86





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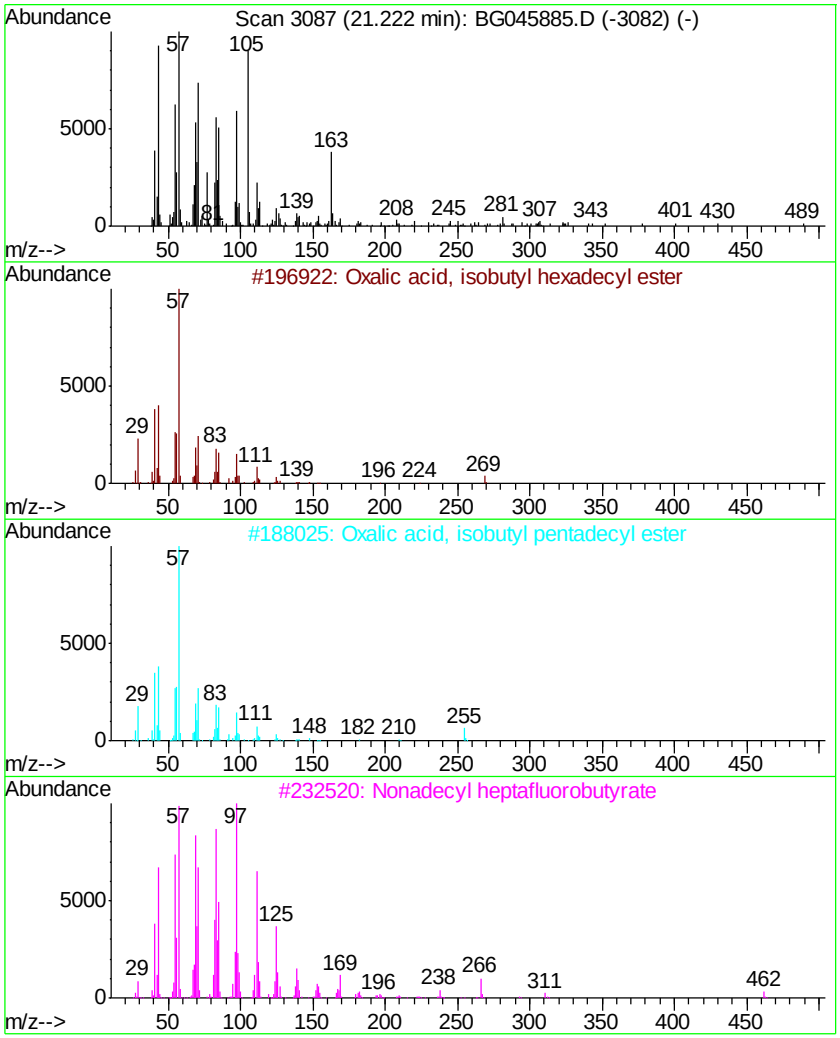
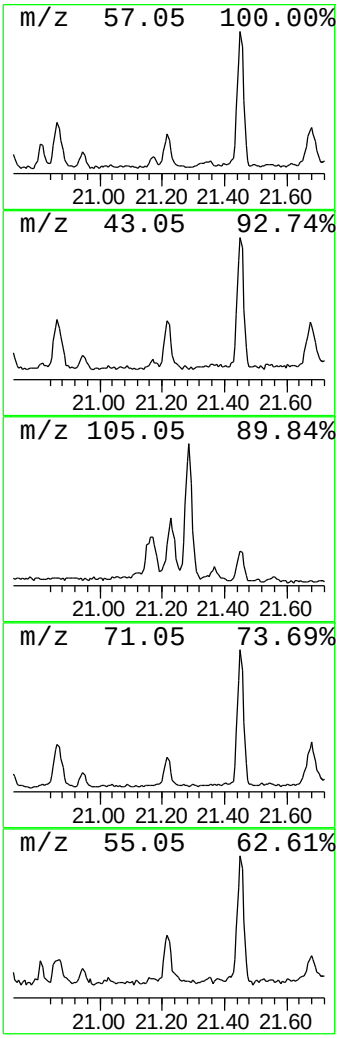
Peak Number 18 Oxalic acid, isobutyl hexad... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.22	7.46 ng	296660	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	83
2	Oxalic acid, isobutyl pentadecyl...	356	C21H40O4	1000309-38-0	83
3	Nonadecyl heptafluorobutyrate	480	C23H39F7O2	1000351-83-9	74
4	Octacosyl heptafluorobutyrate	606	C32H57F7O2	1000351-83-6	68
5	Behenic alcohol	326	C22H46O	000661-19-8	64





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Acq On : 30 Jun 2020 15:25
Operator : CG/JU
Sample : L3148-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EPEC-POLYMERS-04

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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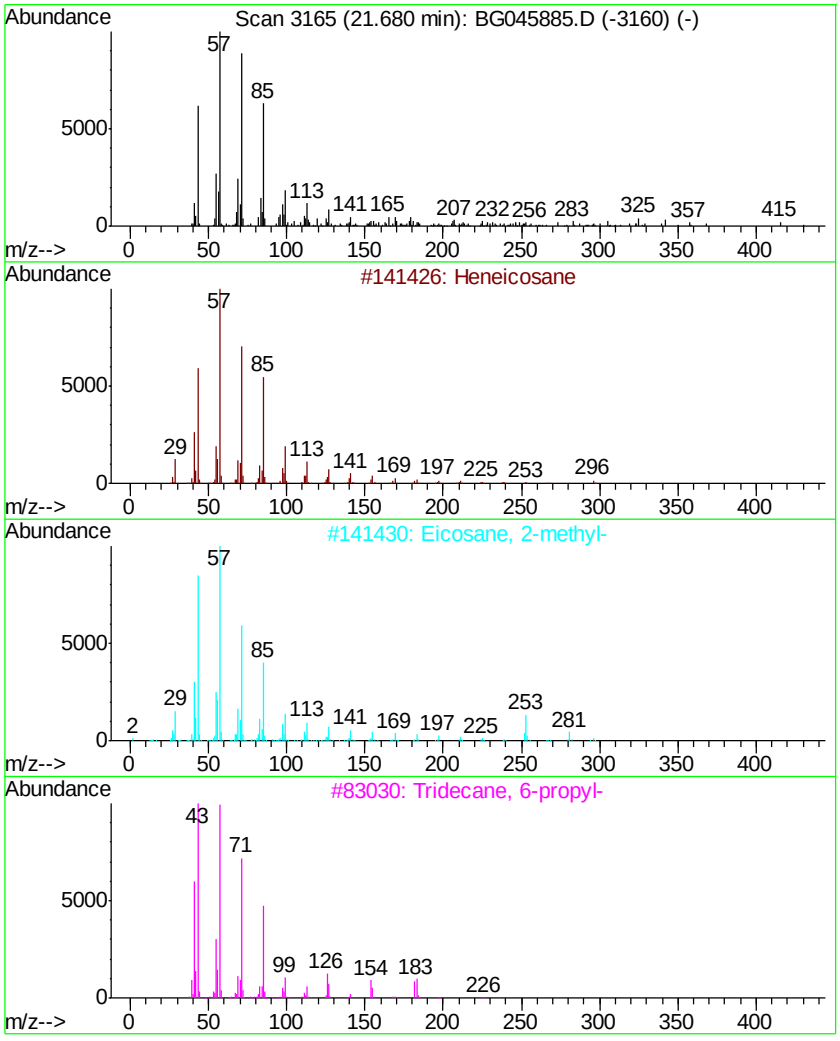
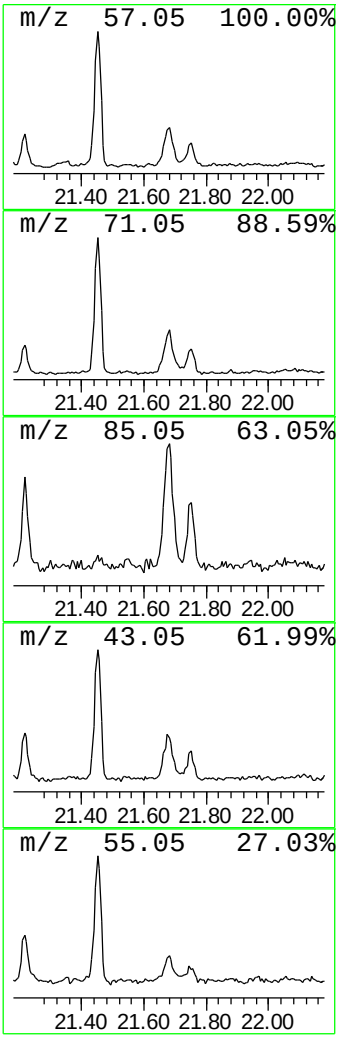
Peak Number 19 Heneicosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.68	5.77 ng	229533	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	94
2	Eicosane, 2-methyl-	296	C21H44	001560-84-5	93
3	Tridecane, 6-propyl-	226	C16H34	055045-10-8	90
4	Hexacosane	366	C26H54	000630-01-3	90
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\
Data File : BG045885.D
Acq On : 30 Jun 2020 15:25
Operator : CG/JU
Sample : L3148-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EPEC-POLYMERS-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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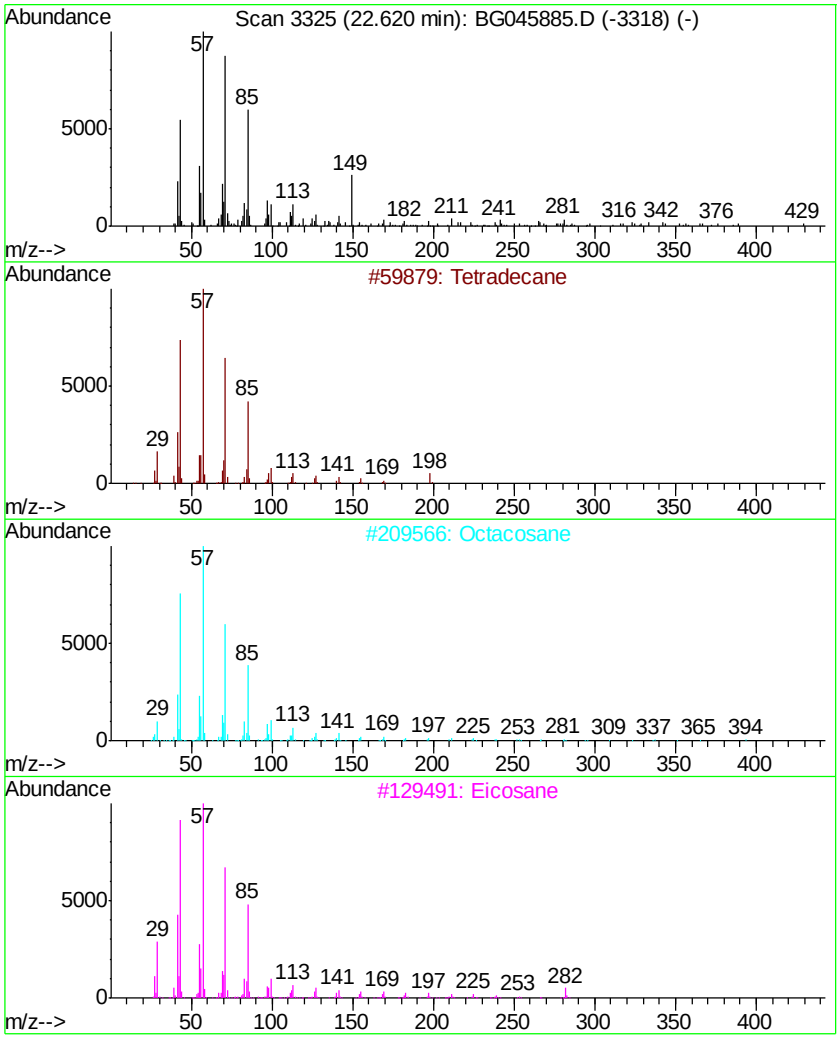
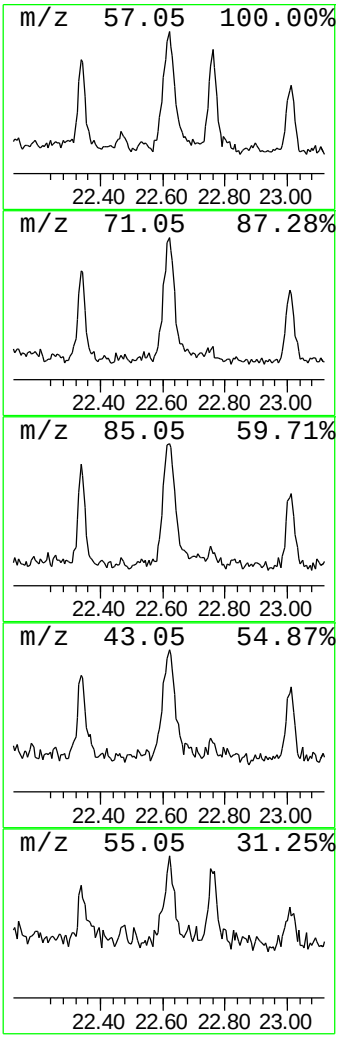
Peak Number 20 Tetradecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.62	7.01 ng	278711	Chrysene-d12	21.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Octacosane	394	C28H58	000630-02-4	83
3	Eicosane	282	C20H42	000112-95-8	83
4	Hexacosane	366	C26H54	000630-01-3	81
5	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG063020\
Data File : BG045885.D
Acq On : 30 Jun 2020 15:25
Operator : CG/JU
Sample : L3148-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EPEC-POLYMERS-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-chloro...	6.87	95.6	ng	1706290	1	7.89	356917	20.0
Benzene, 1-chloro...	6.91	9.6	ng	171174	1	7.89	356917	20.0
Benzene, 1-chloro...	6.98	18.9	ng	336505	1	7.89	356917	20.0
Benzene, 1,2-dich...	9.63	40.3	ng	941838	2	10.70	467182	20.0
Benzene, 1,4-dich...	9.67	77.8	ng	1817210	2	10.70	467182	20.0
unknown13.43	13.43	5.9	ng	210553	3	14.55	717573	20.0
Bibenzyl	14.90	20.7	ng	743602	3	14.55	717573	20.0
2,2'-Dimethylbiph...	14.95	11.7	ng	419875	3	14.55	717573	20.0
Benzophenone semi...	16.21	4.8	ng	186183	4	17.30	777888	20.0
unknown16.25	16.25	24.4	ng	947560	4	17.30	777888	20.0
Benzene, 1,1'-(1-...	16.30	6.1	ng	236648	4	17.30	777888	20.0
1,5,6,7-Tetrameth...	17.87	6.5	ng	254043	4	17.30	777888	20.0
unknown17.98	17.98	11.3	ng	441118	4	17.30	777888	20.0
Benzoic acid, 2-(...	18.11	23.0	ng	893757	4	17.30	777888	20.0
Benzene, 1,1'-(2-...	18.78	4.8	ng	185473	4	17.30	777888	20.0
Octadecane	20.86	6.1	ng	241003	5	21.56	795558	20.0
Oxalic acid, isob...	21.22	7.5	ng	296660	5	21.56	795558	20.0
Heneicosane	21.68	5.8	ng	229533	5	21.56	795558	20.0
Tetradecane	22.62	7.0	ng	278711	5	21.56	795558	20.0