LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071221\
Data File : BP006194.D
Acq On : 12 Jul 2021 22:29
Operator : CG/JU
Sample : M2998-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-231

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_P\Methods\8270E-BP070721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP006194.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.446	396	401	417	rBV	304650	579048	20.36%	2.182%
2	5.846	463	469	480	rBV2	41634	104877	3.69%	0.395%
3	7.063	670	676	692	rBV	244910	555058	19.52%	2.092%
4	7.510	743	752	759	rBV3	46055	106147	3.73%	0.400%
5	7.863	805	812	826	rBV	749116	1283184	45.12%	4.836%
6	8.399	896	903	915	rBV	36991	79397	2.79%	0.299%
7	9.040	1005	1012	1022	rBV	150940	332561	11.69%	1.253%
8	10.052	1177	1184	1190	rBV5	26602	74083	2.60%	0.279%
9	10.463	1247	1254	1273	rBV2	87109	264457	9.30%	0.997%
10	10.663	1281	1288	1294	rBV	1030652	1781870	62.65%	6.716%
11	10.716	1294	1297	1308	rVB2	60239	109699	3.86%	0.413%
12	12.187	1541	1547	1558	rVB10	11304	34717	1.22%	0.131%
13	12.328	1564	1571	1576	rBV	17651	34116	1.20%	0.129%
14	12.546	1602	1608	1615	rVB	16726	32033	1.13%	0.121%
15	13.122	1700	1706	1719	rVB	523468	796511	28.01%	3.002%
16	13.469	1760	1765	1773	rBV5	16947	42011	1.48%	0.158%
17	13.540	1773	1777	1787	rVB3	16715	39427	1.39%	0.149%
18	13.822	1820	1825	1830	rBV	39919	70253	2.47%	0.265%
19	13.875	1830	1834	1839	rVV2	26565	36428	1.28%	0.137%
20	13.963	1844	1849	1857	rVB2	38556	68456	2.41%	0.258%
21	14.157	1877	1882	1886	rBV4	28903	51519	1.81%	0.194%
22	14.222	1888	1893	1905	rVB	198270	329146	11.57%	1.240%
23	14.392	1916	1922	1928	rBV4	24702	60817	2.14%	0.229%
24	14.498	1934	1940	1947	rBV	1473214	2090508	73.51%	7.879%
25	14.563	1947	1951	1958	rVB	51049	79340	2.79%	0.299%
26	14.716	1971	1977	1983	rBV6	21376	47596	1.67%	0.179%
27	14.898	2002	2008	2015	rVV3	40931	78259	2.75%	0.295%
28	14.975	2017	2021	2026	rVB2	39860	56050	1.97%	0.211%
29	15.110	2039	2044	2050	rBV3	52590	96022	3.38%	0.362%
30	15.169	2051	2054	2058	rVB2	27117	32244	1.13%	0.122%
31	15.287	2067	2074	2077	rBV4	45774	102521	3.60%	0.386%
32	15.322	2077	2080	2084	rVV2	30434	44619	1.57%	0.168%
33	15.375	2084	2089	2094	rVB	45392	72660	2.55%	0.274%
34	15.492	2106	2109	2113	rBV	37880	46766	1.64%	0.176%
35	15.545	2113	2118	2120	rBV3	46491	74304	2.61%	0.280%
36	15.757	2150	2154	2157	rBV3	30639	46557	1.64%	0.175%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071221\
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Acq On : 12 Jul 2021 22:29
Operator : CG/JU
Sample : M2998-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-231

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_P\Methods\8270E-BP070721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.992	2185	2194	2201	rBV	360366	613461	21.57%	2.312%
38	16.222	2227	2233	2239	rBV3	54362	95602	3.36%	0.360%
39	16.357	2252	2256	2259	rBV	26528	38462	1.35%	0.145%
40	16.522	2280	2284	2287	rBV2	65320	105098	3.70%	0.396%
41	16.604	2295	2298	2303	rVB3	34086	50308	1.77%	0.190%
42	16.698	2311	2314	2318	rVB3	27631	34592	1.22%	0.130%
43	16.781	2324	2328	2332	rBV2	230717	306284	10.77%	1.154%
44	16.822	2332	2335	2341	rVB2	56152	81591	2.87%	0.308%
45	17.245	2401	2407	2411	rBV	1542293	2234085	78.55%	8.420%
46	17.286	2411	2414	2420	rVB	434090	613878	21.59%	2.314%
47	17.381	2426	2430	2435	rBV	175735	251025	8.83%	0.946%
48	17.522	2451	2454	2458	rBV3	26512	47910	1.68%	0.181%
49	17.828	2503	2506	2513	rVB2	46334	69438	2.44%	0.262%
50	18.116	2550	2555	2559	rBV	200510	341384	12.00%	1.287%
51	18.163	2559	2563	2567	rVV	260940	366433	12.88%	1.381%
52	18.239	2571	2576	2581	rVV2	224432	379767	13.35%	1.431%
53	18.298	2581	2586	2590	rVV2	276978	549182	19.31%	2.070%
54	18.339	2590	2593	2600	rVB	198219	291113	10.24%	1.097%
55	18.598	2633	2637	2640	rVV3	77651	110707	3.89%	0.417%
56	18.651	2643	2646	2653	rVB4	72031	104743	3.68%	0.395%
57	18.804	2669	2672	2674	rBV2	54993	73157	2.57%	0.276%
58	18.880	2683	2685	2688	rVB	72137	64761	2.28%	0.244%
59	18.998	2701	2705	2709	rBV	274174	408392	14.36%	1.539%
60	19.145	2724	2730	2741	rVB6	109325	325712	11.45%	1.228%
61	19.257	2744	2749	2754	rBV	602156	816308	28.70%	3.077%
62	19.351	2762	2765	2768	rBV3	75255	85662	3.01%	0.323%
63	19.604	2804	2808	2816	rVB	832775	1228830	43.21%	4.631%
64	19.680	2818	2821	2826	rVB	118508	174597	6.14%	0.658%
65	19.798	2837	2841	2845	rBV	791914	947358	33.31%	3.570%
66	20.245	2914	2917	2920	rVB	183623	200835	7.06%	0.757%
67	20.380	2937	2940	2944	rBV	202207	238904	8.40%	0.900%
68	20.422	2944	2947	2951	rVV	186333	222891	7.84%	0.840%
69	21.322	3095	3100	3104	rBV2	1850897	2843977	100.00%	10.718%
70	23.710	3501	3506	3512	rVB2	1345536	2483863	87.34%	9.361%

Sum of corrected areas: 26533571

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071221\
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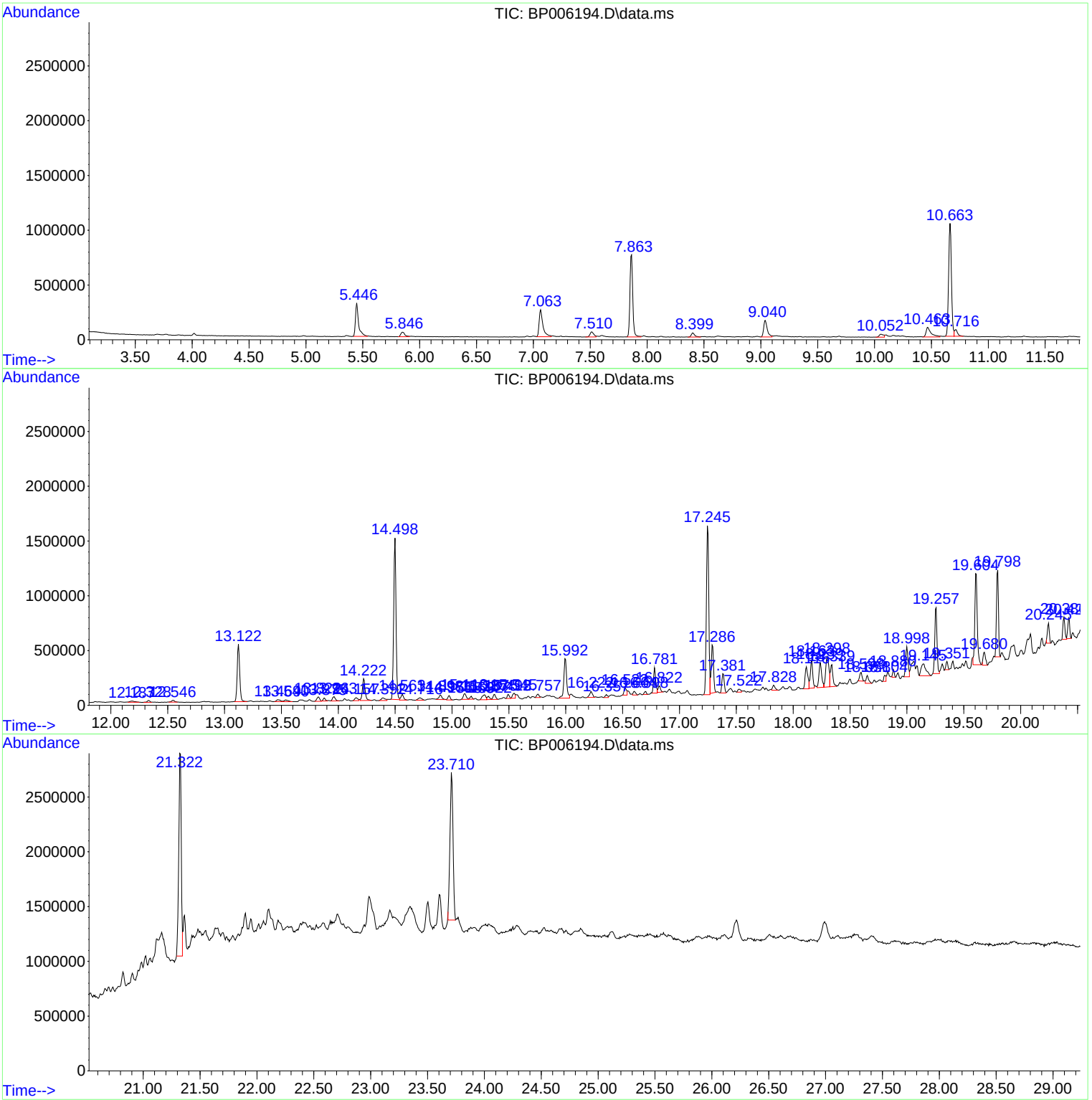
Acq On : 12 Jul 2021 22:29
Operator : CG/JU
Sample : M2998-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
VNJ-231

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070721.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_P\Data\BP071221\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

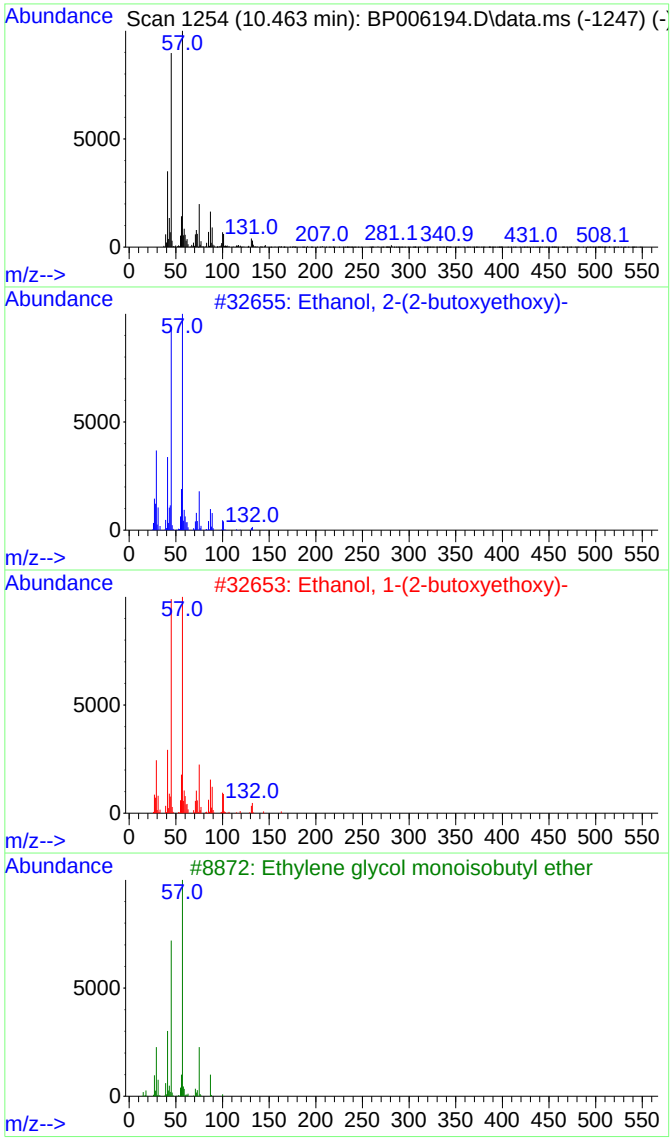
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

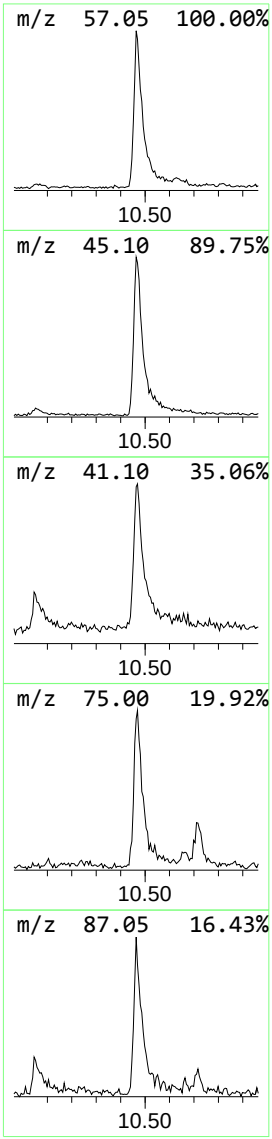
****

Peak Number 1 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.463	2.97 ng	264457	Naphthalene-d8	10.663

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	86
3	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
4	Propanoic acid, 2-hydroxy-, 2-me...	146	C7H14O3	000585-24-0	53
5	Di-sec-butyl ether	130	C8H18O	006863-58-7	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071221\
Data File : BP006194.D
Acq On : 12 Jul 2021 22:29
Operator : CG/JU
Sample : M2998-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-231

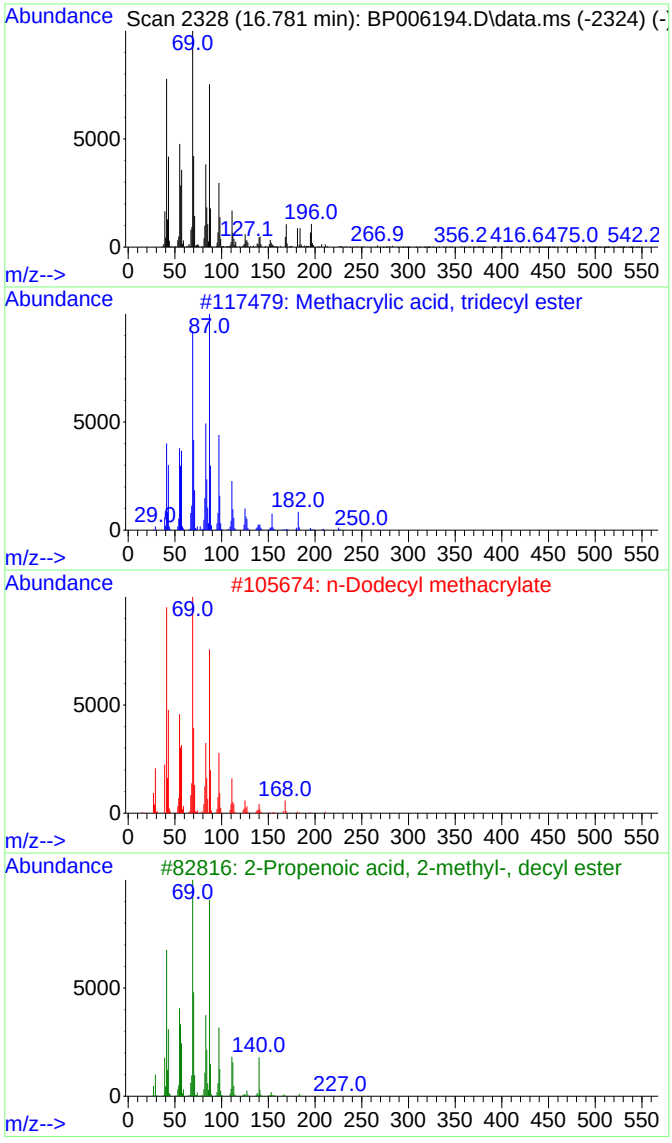
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

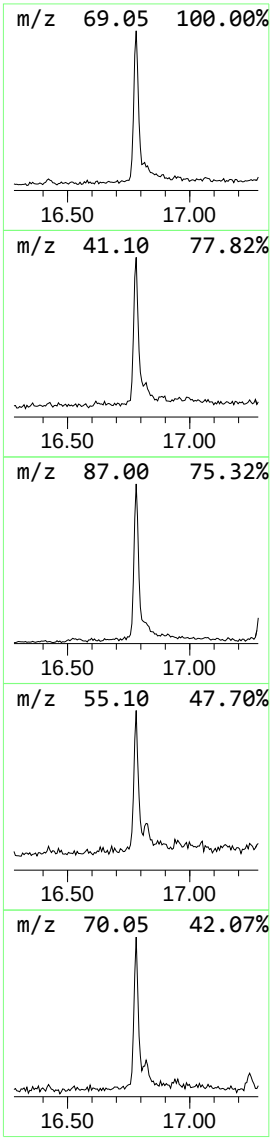
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Methacrylic acid, tridecyl ... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.781	2.74 ng	306284	Phenanthrene-d10	17.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylic acid, tridecyl ester	268	C17H32O2	1000340-28-9	98
2	n-Dodecyl methacrylate	254	C16H30O2	000142-90-5	93
3	2-Propenoic acid, 2-methyl-, dec...	226	C14H26O2	003179-47-3	90
4	7-Tetradecene	196	C14H28	010374-74-0	83
5	3-Tetradecene, (E)-	196	C14H28	041446-68-8	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071221\
Data File : BP006194.D
Acq On : 12 Jul 2021 22:29
Operator : CG/JU
Sample : M2998-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-231

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

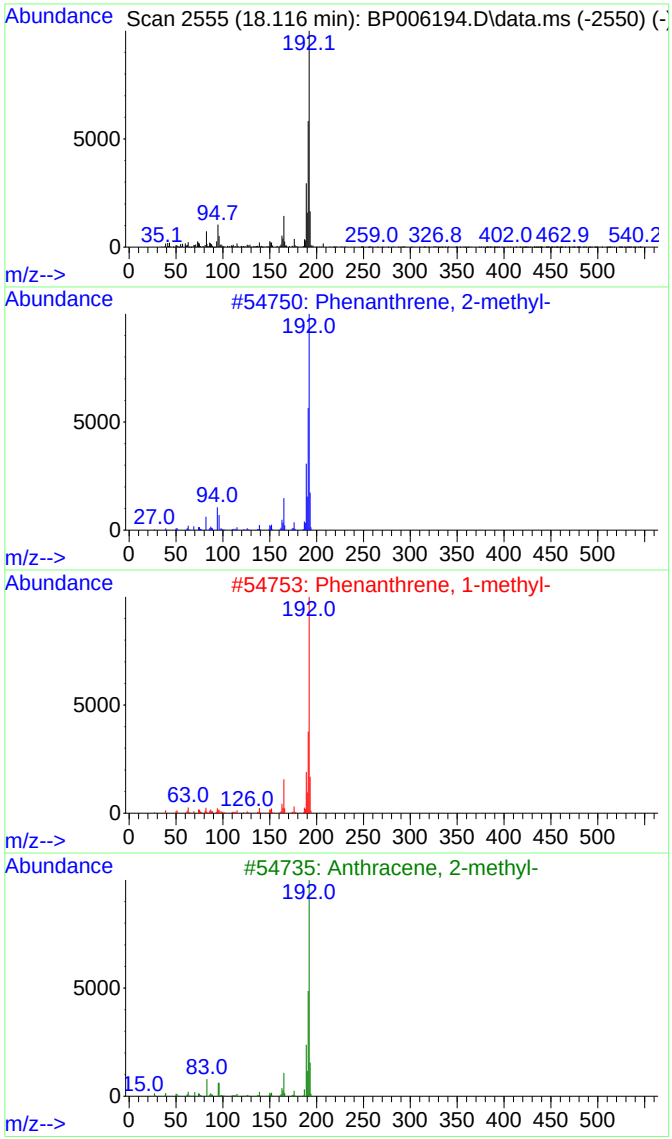
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

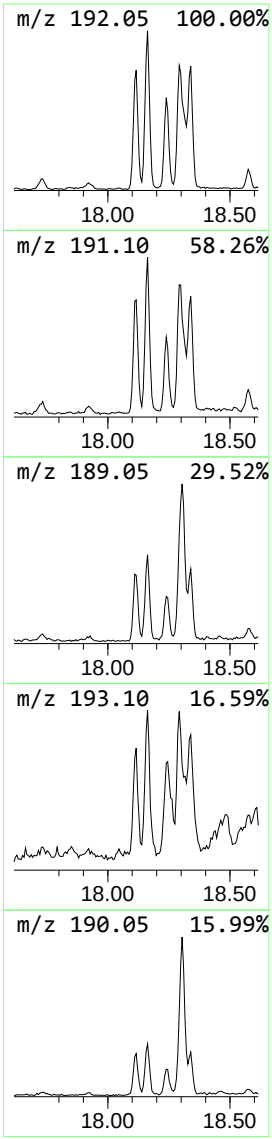
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.116	3.06 ng	341384	Phenanthrene-d10	17.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071221\
Data File : BP006194.D
Acq On : 12 Jul 2021 22:29
Operator : CG/JU
Sample : M2998-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-231

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

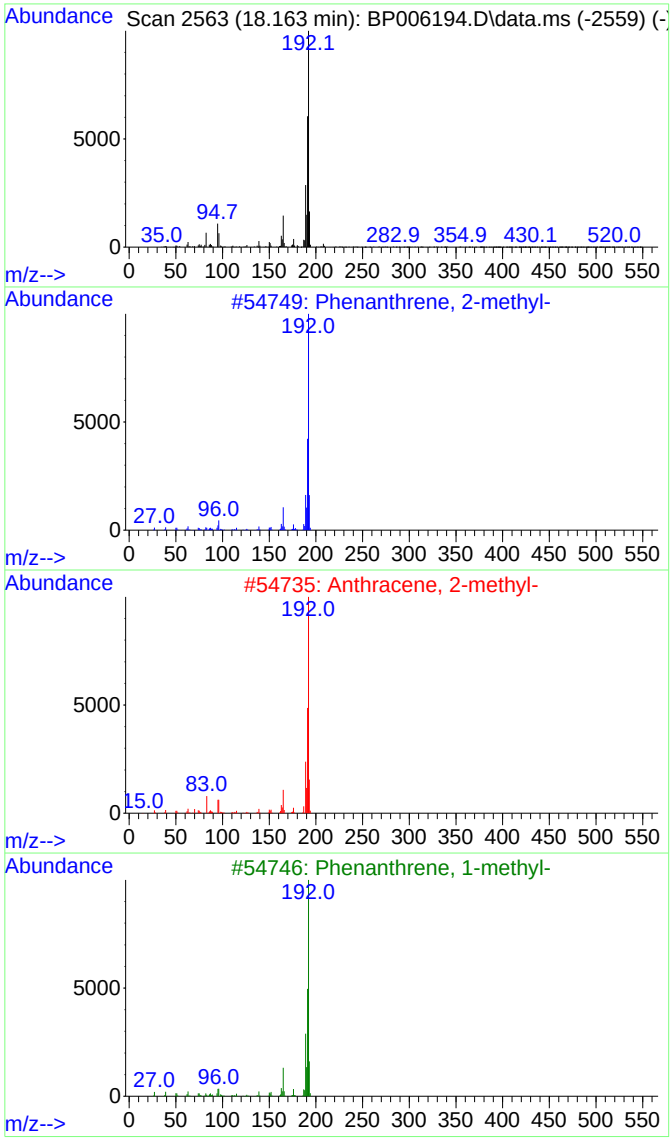
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

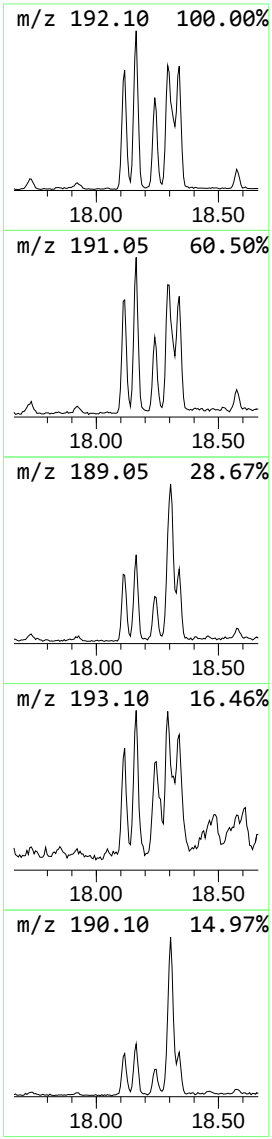
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.163	3.28 ng	366433	Phenanthrene-d10	17.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071221\
Data File : BP006194.D
Acq On : 12 Jul 2021 22:29
Operator : CG/JU
Sample : M2998-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-231

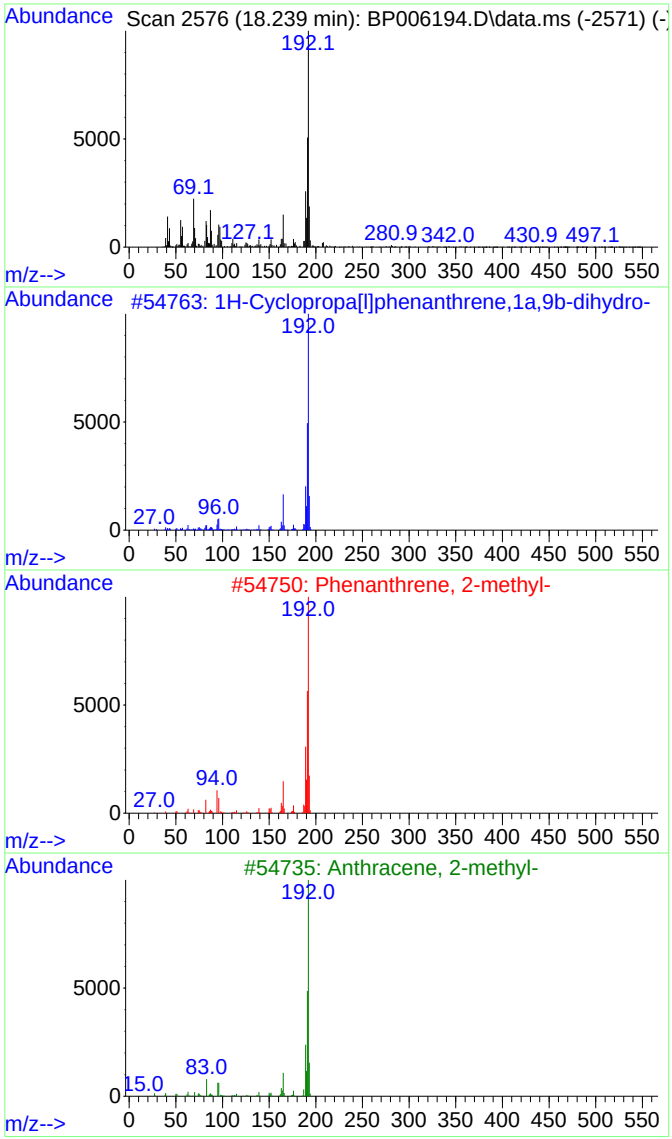
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

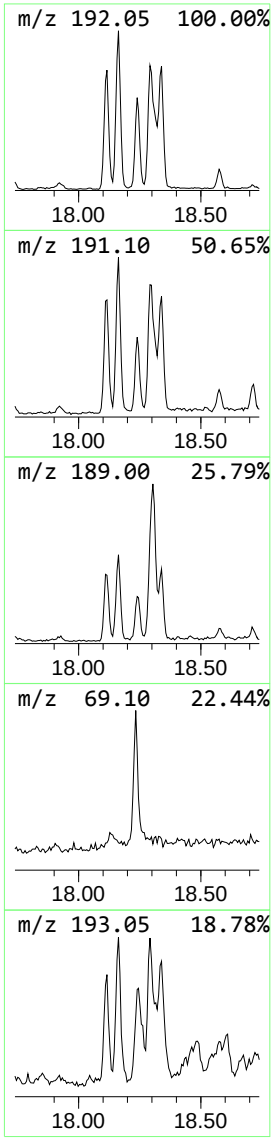
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.239	3.40 ng	379767	Phenanthrene-d10	17.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071221\
Data File : BP006194.D
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Sample : M2998-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-231

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070721.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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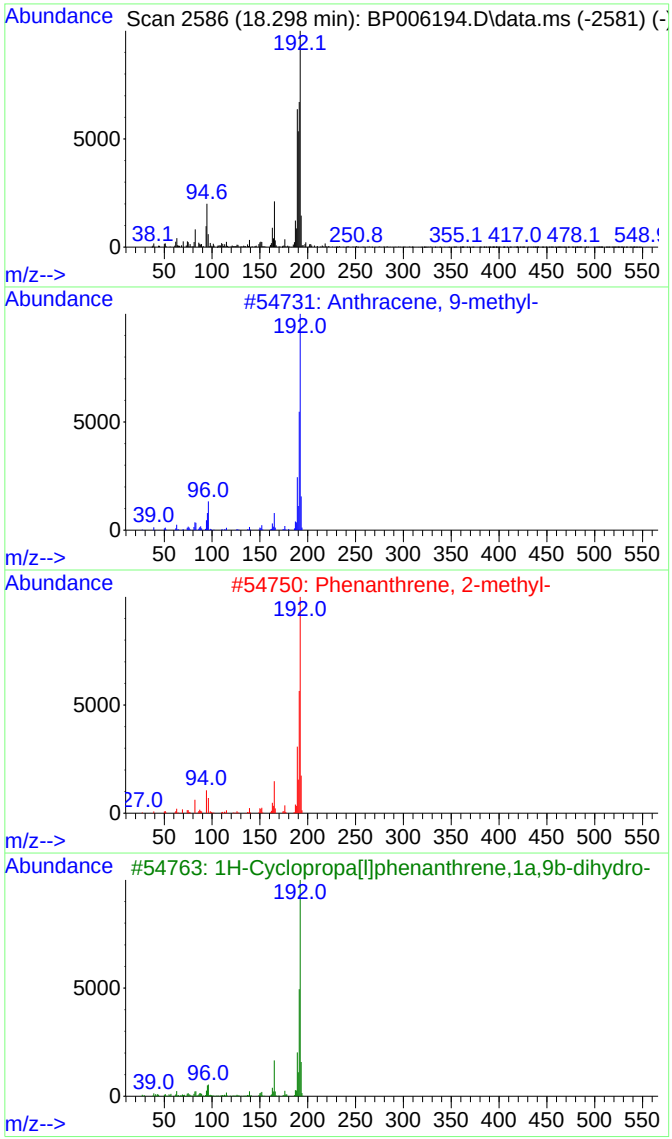
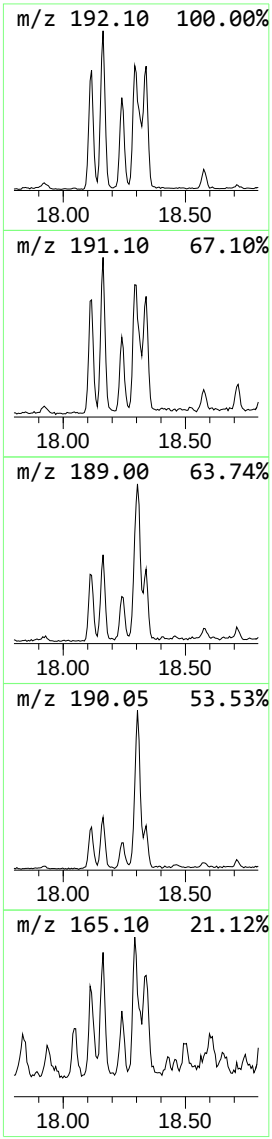
Peak Number 6 Anthracene, 9-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.298	4.92 ng	549182	Phenanthrene-d10	17.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071221\
Data File : BP006194.D
Acq On : 12 Jul 2021 22:29
Operator : CG/JU
Sample : M2998-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-231

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

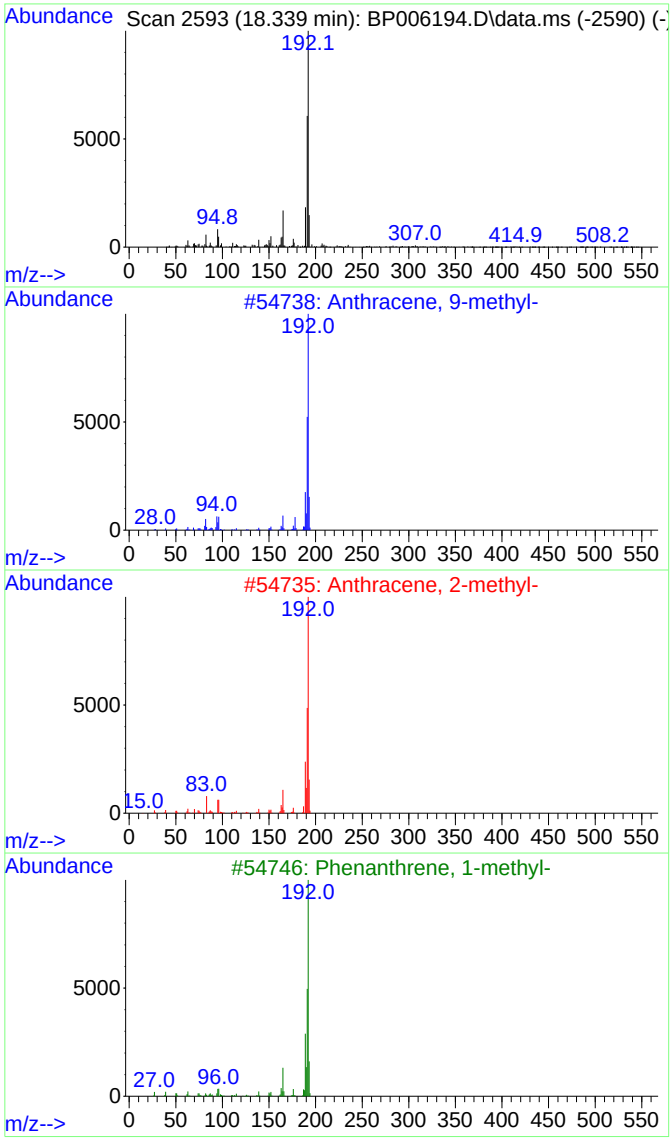
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

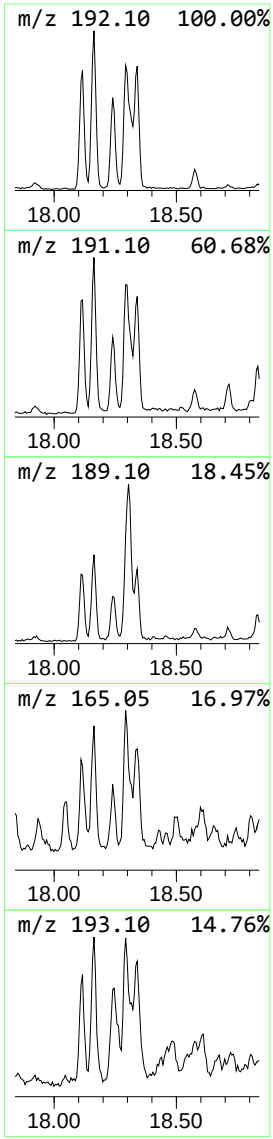
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.339	2.61 ng	291113	Phenanthrene-d10	17.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





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Acq On : 12 Jul 2021 22:29
Operator : CG/JU
Sample : M2998-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-231

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

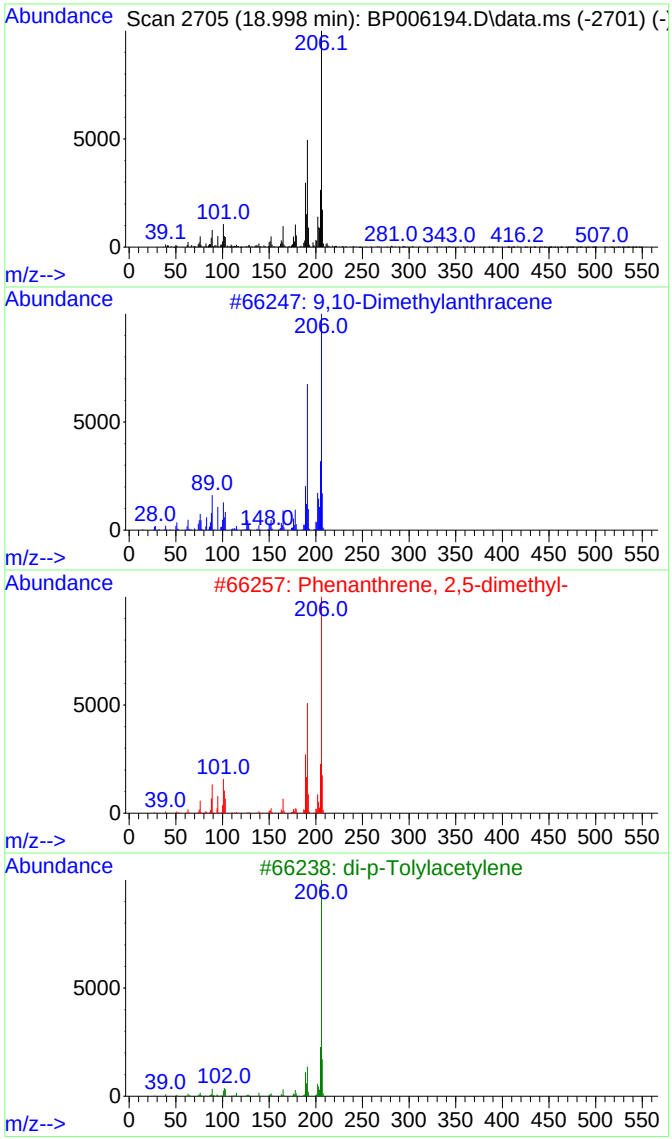
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

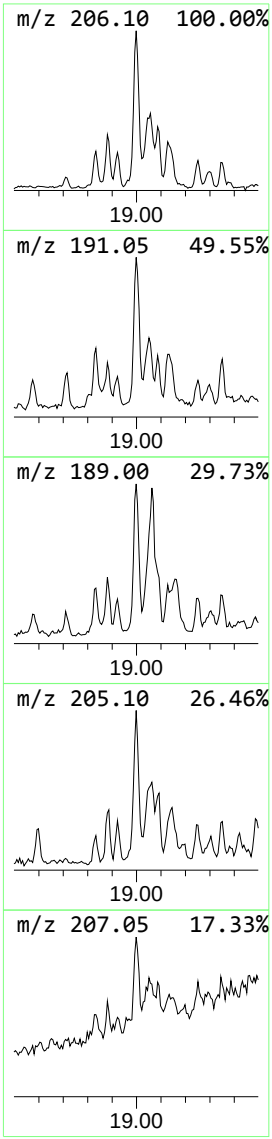
****

Peak Number 8 9,10-Dimethylanthracene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.998	3.66 ng	408392	Phenanthrene-d10	17.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	97
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93





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Data File : BP006194.D
Acq On : 12 Jul 2021 22:29
Operator : CG/JU
Sample : M2998-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-231

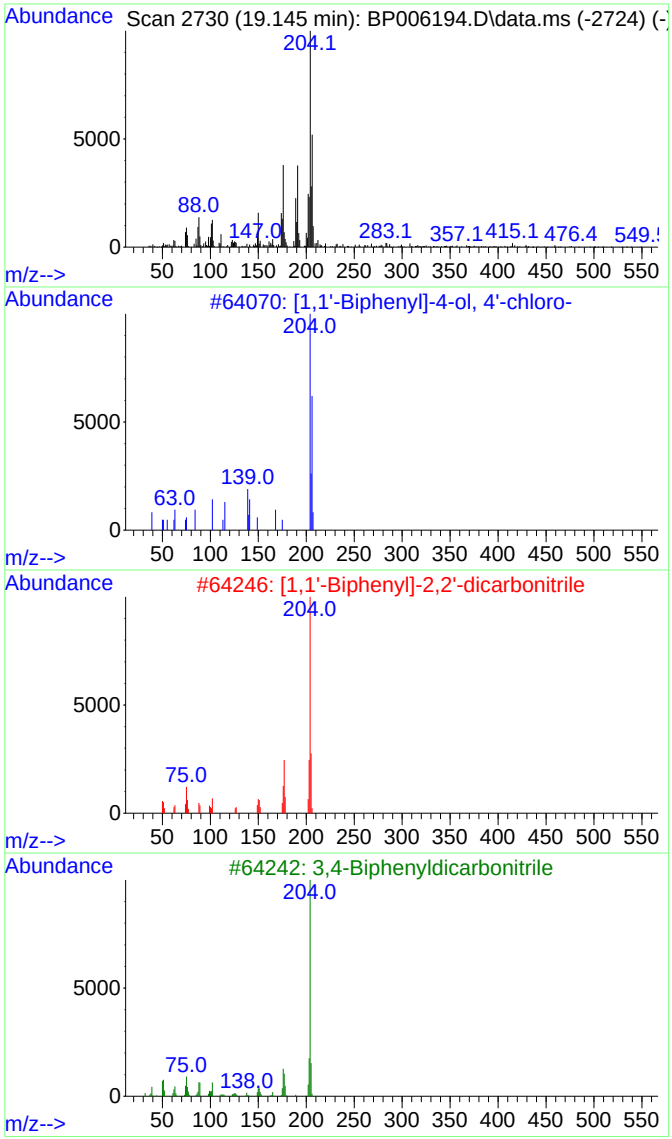
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

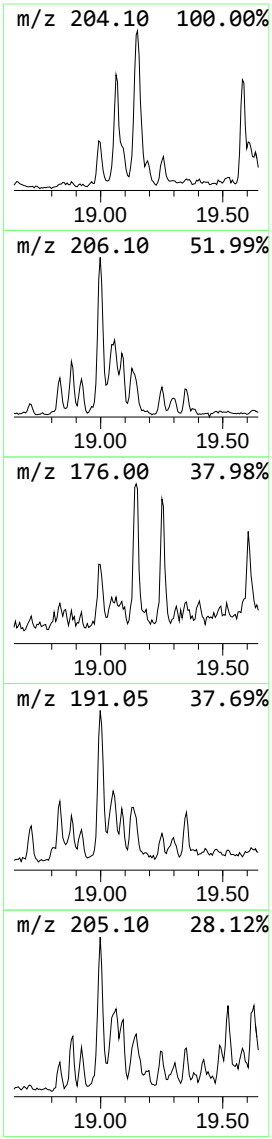
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 [1,1'-Biphenyl]-4-ol, 4'-ch... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.145	2.92 ng	325712	Phenanthrene-d10	17.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	53
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071221\
Data File : BP006194.D
Acq On : 12 Jul 2021 22:29
Operator : CG/JU
Sample : M2998-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-231

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070721.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
Ethanol, 2-(2-b...	10.463	3.0	ng	264457	2	10.663	1781870	20.0
Methacrylic aci...	16.781	2.7	ng	306284	4	17.245	2234090	20.0
Phenanthrene, 2...	18.116	3.1	ng	341384	4	17.245	2234090	20.0
Anthracene, 2-m...	18.163	3.3	ng	366433	4	17.245	2234090	20.0
1H-Cyclopropa[l...	18.239	3.4	ng	379767	4	17.245	2234090	20.0
Anthracene, 9-m...	18.298	4.9	ng	549182	4	17.245	2234090	20.0
Phenanthrene, 1...	18.339	2.6	ng	291113	4	17.245	2234090	20.0
9,10-Dimethylan...	18.998	3.7	ng	408392	4	17.245	2234090	20.0
[1,1'-Biphenyl]...	19.145	2.9	ng	325712	4	17.245	2234090	20.0