LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
Data File : BF087876.D
Acq On : 10 Jun 2016 15:58
Operator : UM/SJ
Sample : H3426-07 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-53

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:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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	1.747	12	14	23	rVB	302792	640789	9.89%	1.701%
2	1.873	23	25	81	rVB	2705260	6479352	100.00%	17.195%
3	4.970	294	296	301	rVB	72854	104534	1.61%	0.277%
4	5.404	331	334	336	rBV	1263427	1427378	22.03%	3.788%
5	6.444	422	425	427	rBV	1483392	1487377	22.96%	3.947%
6	6.570	434	436	439	rBV	1095366	1414170	21.83%	3.753%
7	6.810	455	457	459	rBV	873142	700703	10.81%	1.860%
8	6.970	468	471	473	rBV	1150763	1141888	17.62%	3.030%
9	7.370	504	506	509	rBV	766956	807457	12.46%	2.143%
10	7.462	512	514	516	rVB	141731	110463	1.70%	0.293%
11	8.102	567	570	572	rBV	935265	930254	14.36%	2.469%
12	9.176	661	664	666	rBV	1504738	1534218	23.68%	4.071%
13	9.565	696	698	700	rVB	152243	116744	1.80%	0.310%
14	9.850	720	723	724	rBV	922711	947962	14.63%	2.516%
15	10.628	789	791	794	rBV	881382	817281	12.61%	2.169%
16	11.325	850	852	853	rBV	971682	896673	13.84%	2.380%
17	11.348	853	854	856	rVV	1072108	829849	12.81%	2.202%
18	11.393	856	858	860	rVB	155257	172399	2.66%	0.458%
19	11.553	869	872	873	rBV	111053	105170	1.62%	0.279%
20	11.828	893	896	897	rBV	98578	117899	1.82%	0.313%
21	11.851	897	898	900	rVV	158868	128741	1.99%	0.342%
22	11.931	903	905	910	rVV	182944	255927	3.95%	0.679%
23	12.136	919	923	926	rVB	134065	197995	3.06%	0.525%
24	12.422	945	948	950	rVV2	96883	158367	2.44%	0.420%
25	12.456	950	951	955	rVV3	56875	84105	1.30%	0.223%
26	12.536	955	958	960	rVB	1495830	1516396	23.40%	4.024%
27	12.685	967	971	974	rBV3	41183	104508	1.61%	0.277%
28	12.765	974	978	980	rBV2	913328	1470607	22.70%	3.903%
29	12.879	985	988	989	rBV	76894	119545	1.85%	0.317%
30	12.902	989	990	993	rVB	988485	961545	14.84%	2.552%
31	12.982	993	997	998	rBV2	73142	135507	2.09%	0.360%
32	13.085	1001	1006	1008	rVB	170408	237640	3.67%	0.631%
33	13.154	1008	1012	1013	rBV	111129	130968	2.02%	0.348%
34	13.188	1013	1015	1016	rBV	123657	128812	1.99%	0.342%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.314	1024	1026	1031	rVB4	45895	94711	1.46%	0.251%
36	13.588	1047	1050	1053	rVB	134579	146063	2.25%	0.388%
37	13.702	1057	1060	1061	rBV2	144360	208623	3.22%	0.554%
38	13.725	1061	1062	1063	rVV	110002	114598	1.77%	0.304%
39	13.794	1067	1068	1072	rVB	163935	193809	2.99%	0.514%
40	13.954	1078	1082	1087	rBV2	999475	2430670	37.51%	6.450%
41	14.057	1087	1091	1093	rBV	136405	164623	2.54%	0.437%
42	14.171	1099	1101	1103	rVV2	65022	93800	1.45%	0.249%
43	14.331	1113	1115	1117	rBV	82394	109348	1.69%	0.290%
44	14.365	1117	1118	1120	rVB2	57327	72459	1.12%	0.192%
45	14.434	1121	1124	1130	rVB4	87273	274122	4.23%	0.727%
46	14.628	1139	1141	1143	rBV2	47396	67241	1.04%	0.178%
47	14.708	1146	1148	1153	rVV	230086	273213	4.22%	0.725%
48	14.800	1153	1156	1159	rBV3	64591	117595	1.81%	0.312%
49	14.960	1167	1170	1175	rBV	629459	1291306	19.93%	3.427%
50	15.051	1175	1178	1184	rVV3	290568	489531	7.56%	1.299%
51	15.142	1184	1186	1189	rVV3	30428	65389	1.01%	0.174%
52	15.200	1189	1191	1192	rVV	46176	67548	1.04%	0.179%
53	15.245	1192	1195	1197	rVV	362743	465315	7.18%	1.235%
54	15.302	1197	1200	1203	rVV	483207	573926	8.86%	1.523%
55	15.360	1203	1205	1211	rVB2	546114	858637	13.25%	2.279%
56	15.805	1242	1244	1247	rBV	214927	358573	5.53%	0.952%
57	16.560	1306	1310	1313	rBV4	48947	152474	2.35%	0.405%
58	16.720	1321	1324	1328	rBV2	171628	338416	5.22%	0.898%
59	16.880	1336	1338	1341	rBV	41070	88462	1.37%	0.235%
60	17.120	1356	1359	1366	rVB	131412	295141	4.56%	0.783%
61	17.280	1369	1373	1385	rVV4	144244	613744	9.47%	1.629%
62	17.474	1387	1390	1395	rVB3	54470	123831	1.91%	0.329%
63	17.703	1406	1410	1415	rBV	52231	191270	2.95%	0.508%
64	17.794	1415	1418	1423	rVB4	71234	201618	3.11%	0.535%
65	18.023	1434	1438	1447	rVB5	64062	316816	4.89%	0.841%
66	19.189	1535	1540	1549	rVB2	123843	415992	6.42%	1.104%

Sum of corrected areas: 37682087

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Misc :
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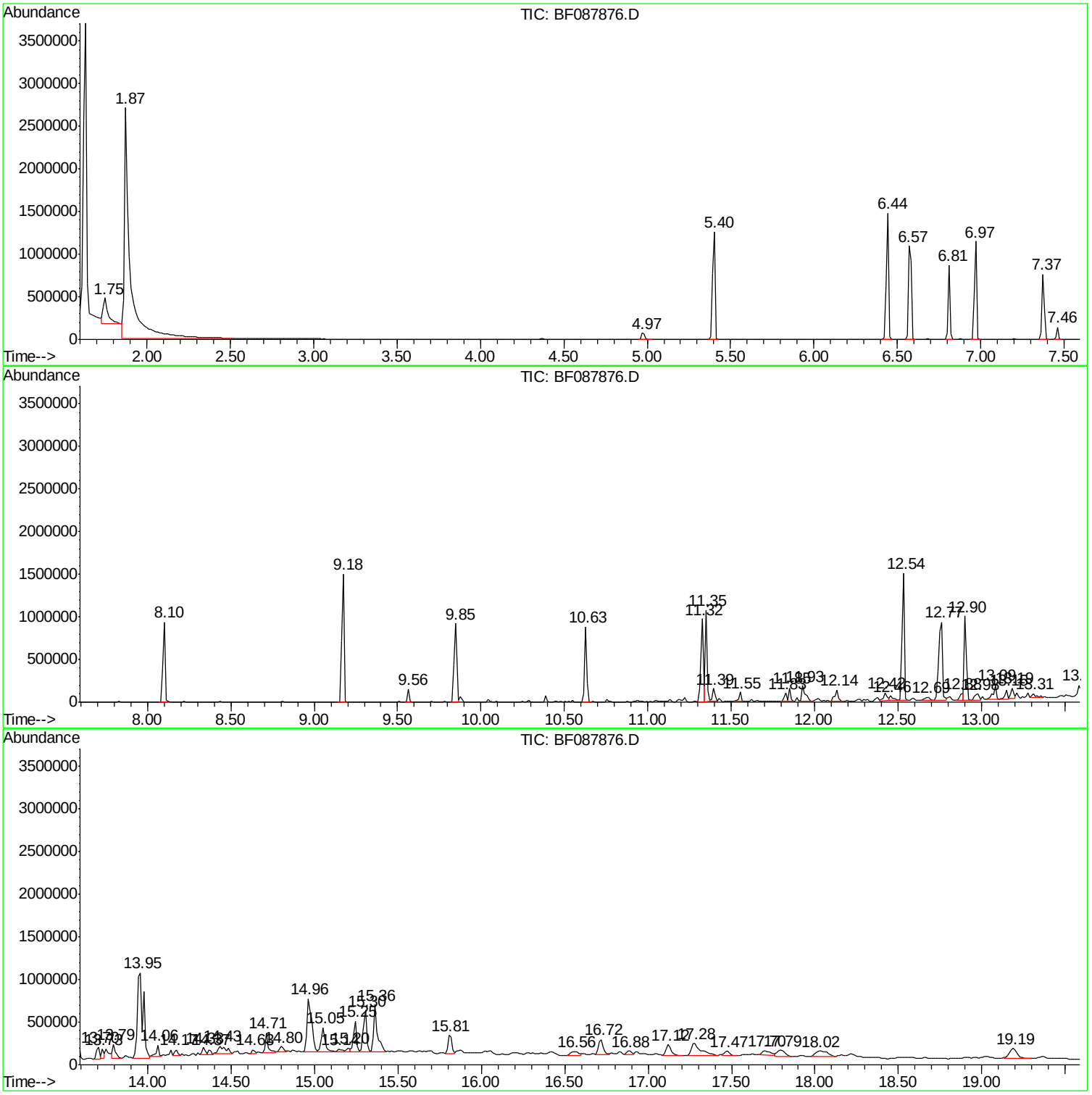
Instrument :
BNA_F
ClientSampleId :
SS-53

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

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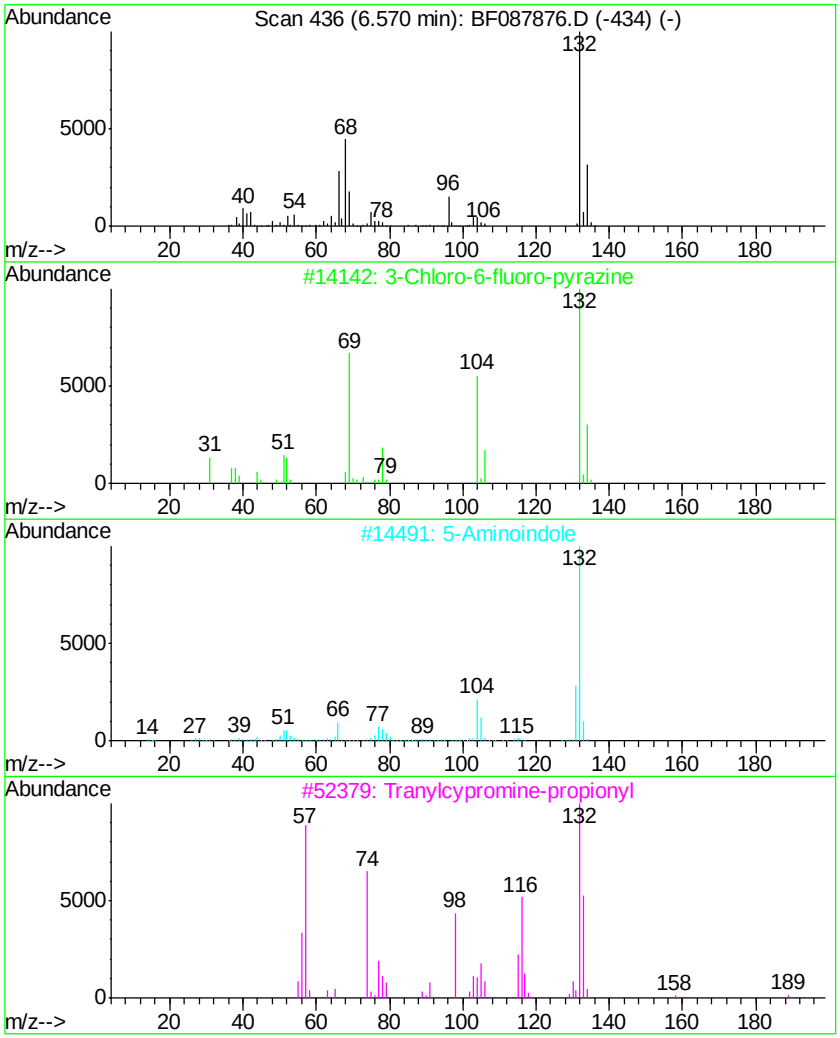
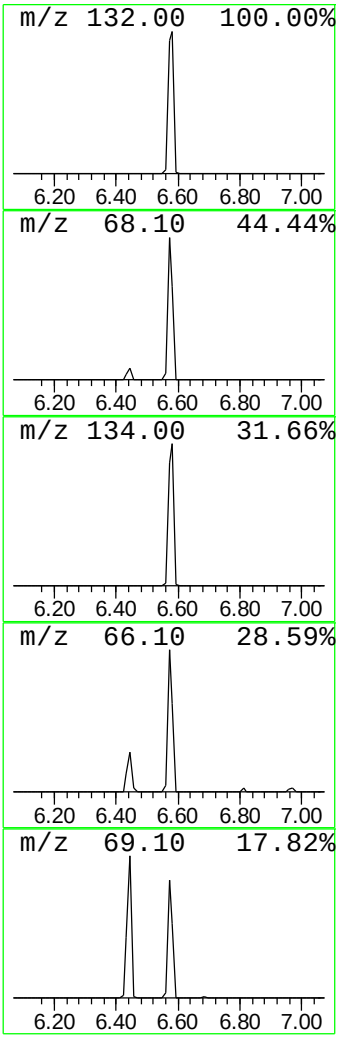
Peak Number 3 unknown6.57 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	24.77 ng	1414170	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	5-Aminoindole	132	C8H8N2	005192-03-0	10
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-53

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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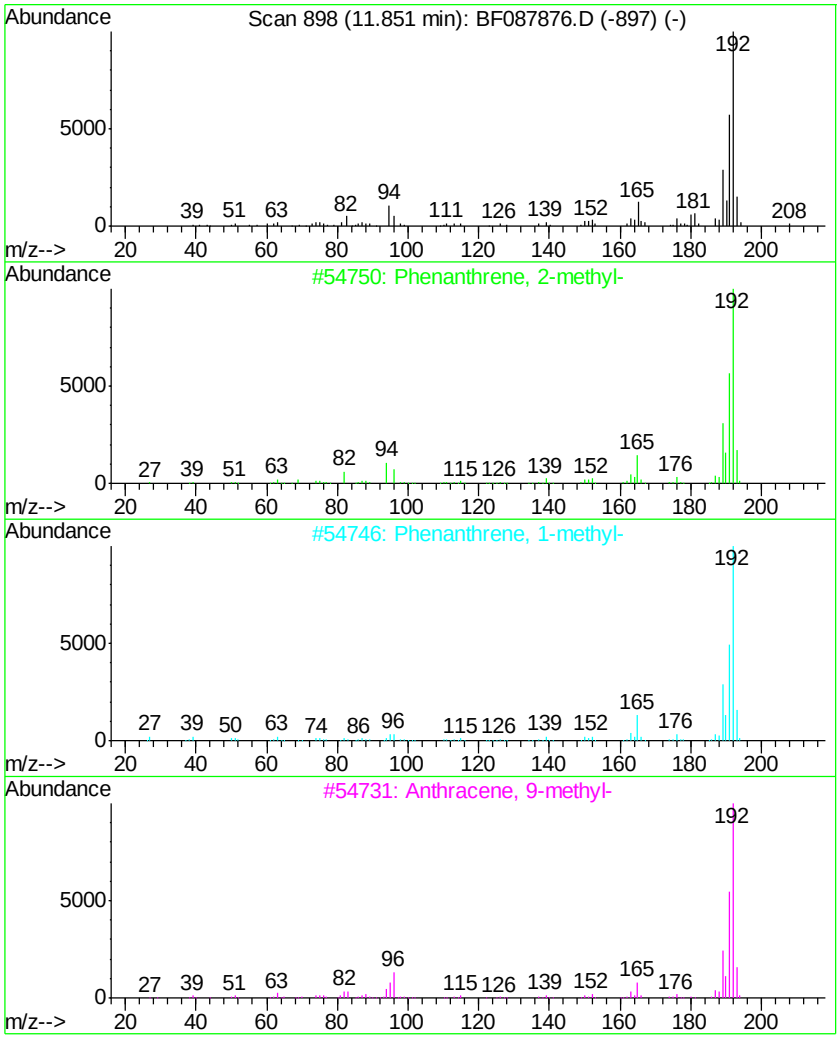
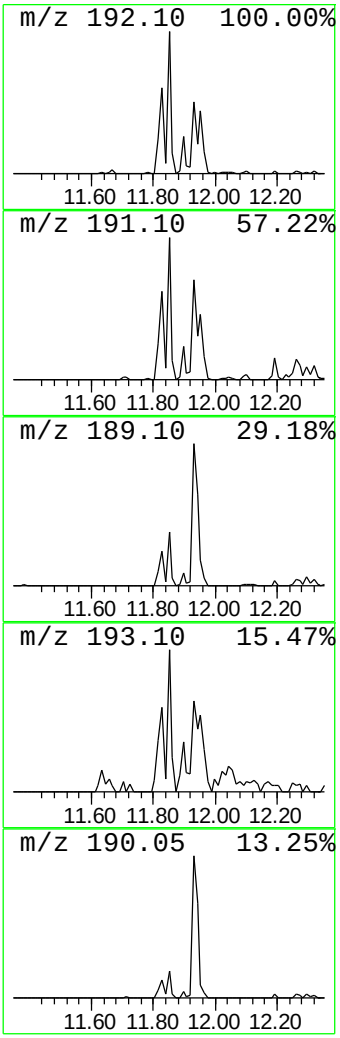
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	2.87 ng	128741	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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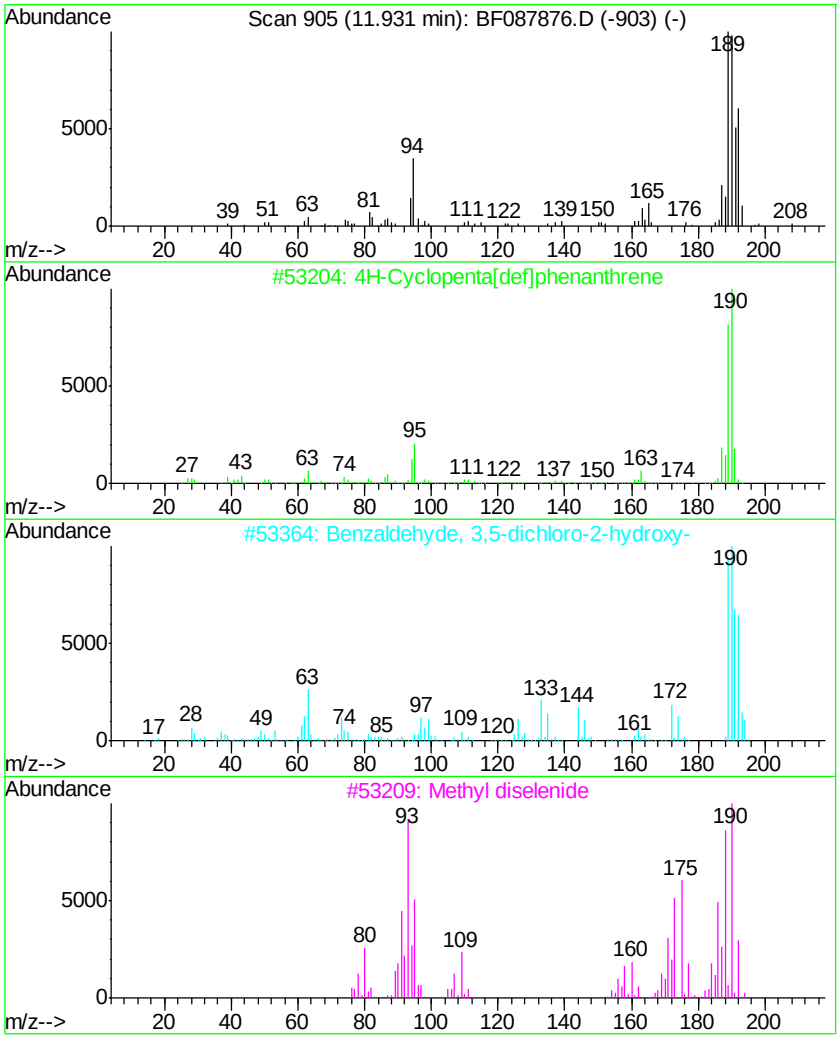
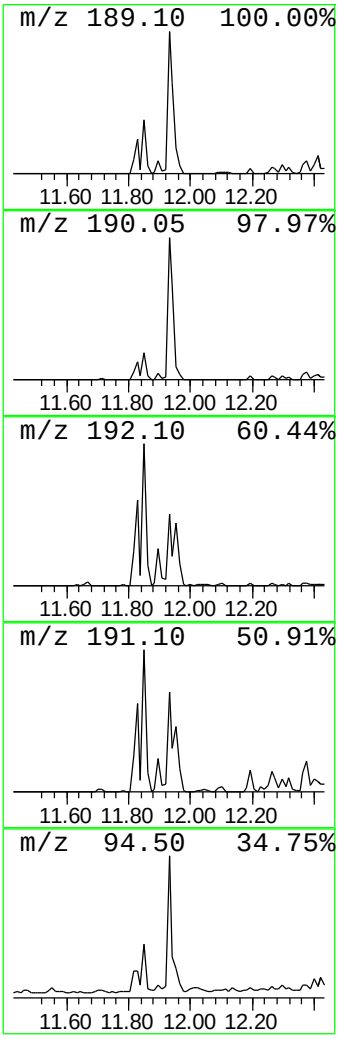
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	5.71 ng	255927	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	58
3	Methyl diselenide	190	C2H6Se2	007101-31-7	38
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	35
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	20





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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TIC Library : C:\Database\NIST11.L
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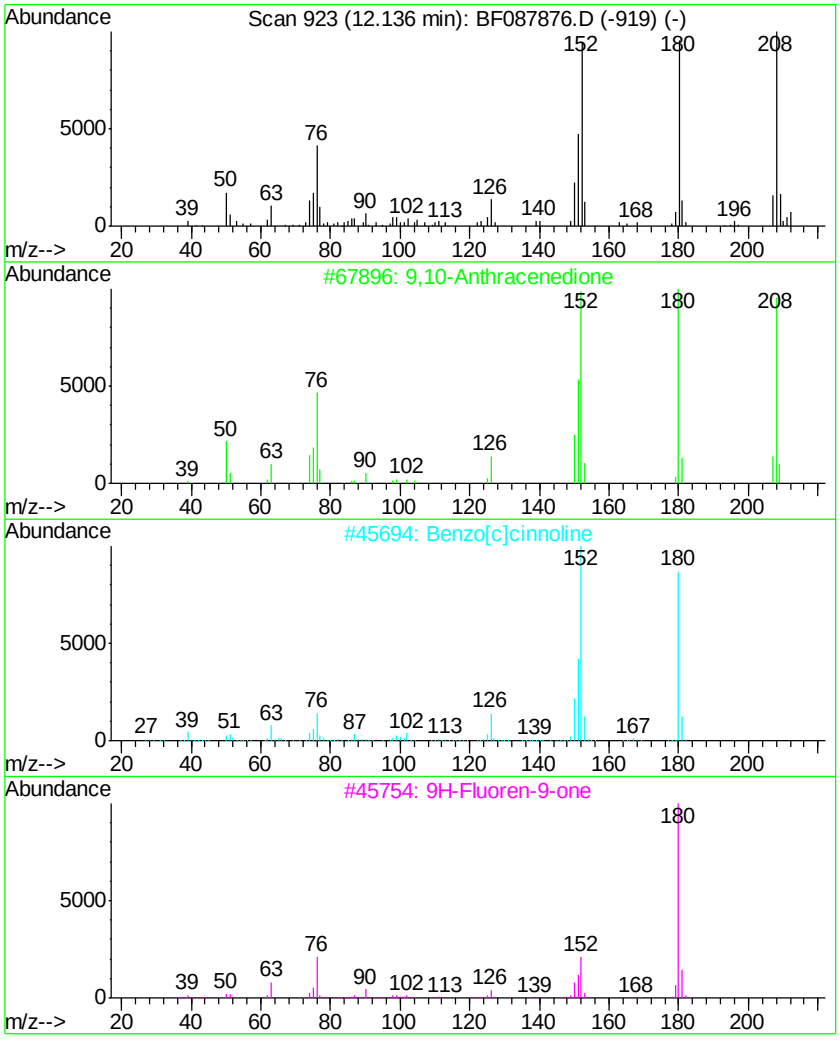
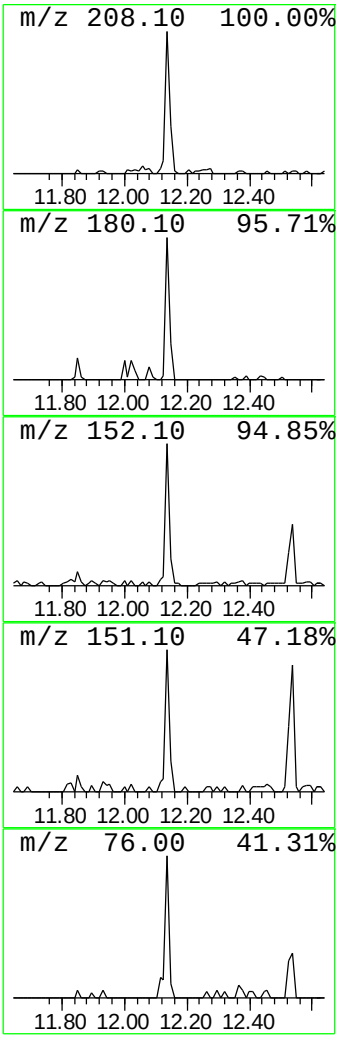
Peak Number 7 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	4.42 ng	197995	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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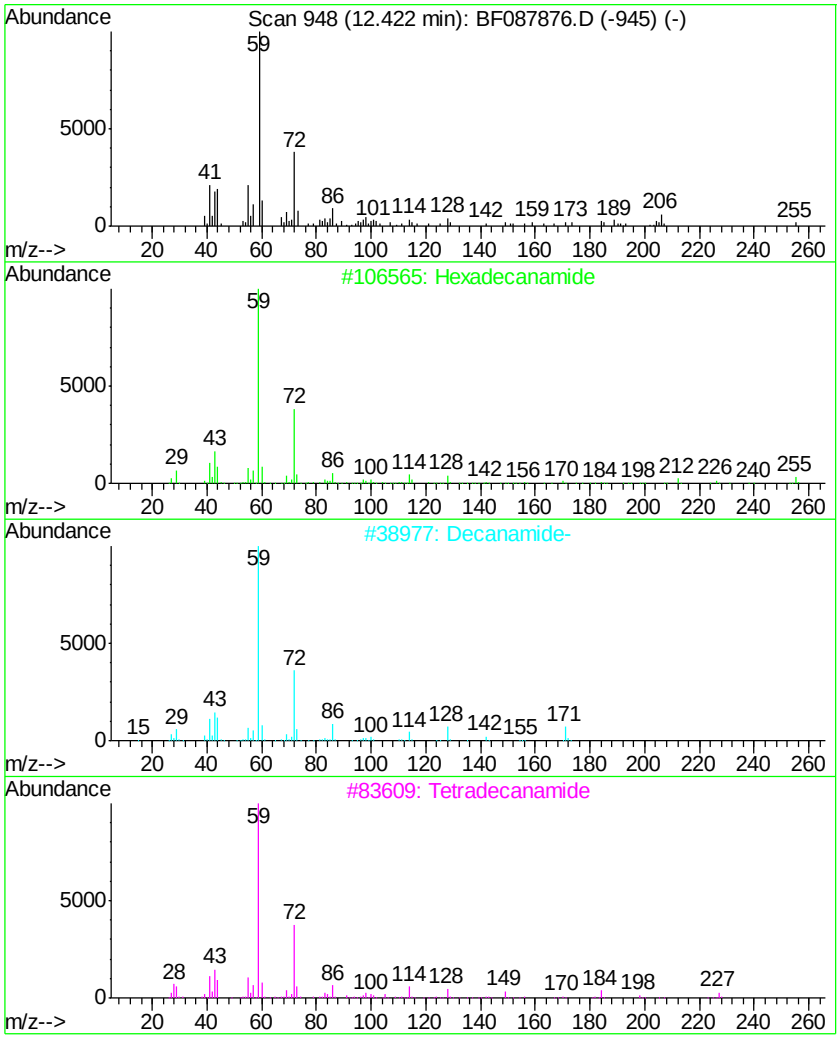
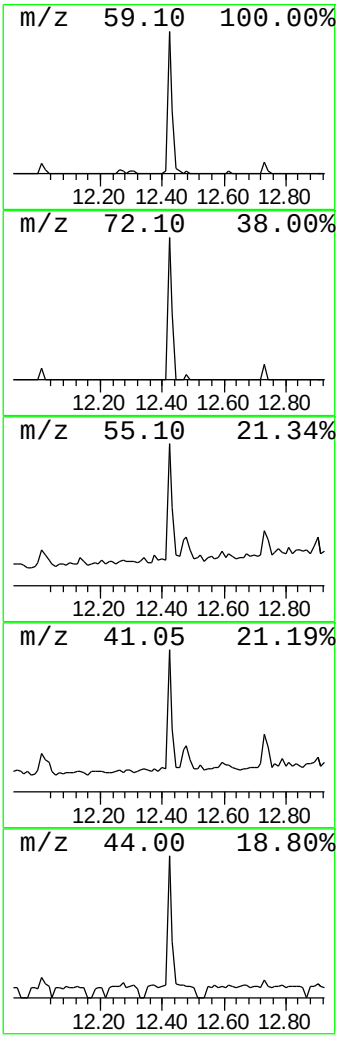
Peak Number 8 Hexadecanamide Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	3.53 ng	158367	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanamide	255	C16H33NO	000629-54-9	87
2	Decanamide-	171	C10H21NO	002319-29-1	87
3	Tetradecanamide	227	C14H29NO	000638-58-4	78
4	Pentadecanamide, 15-bromo-	319	C15H30BrNO	1000163-86-1	78
5	Dodecanamide	199	C12H25NO	001120-16-7	78





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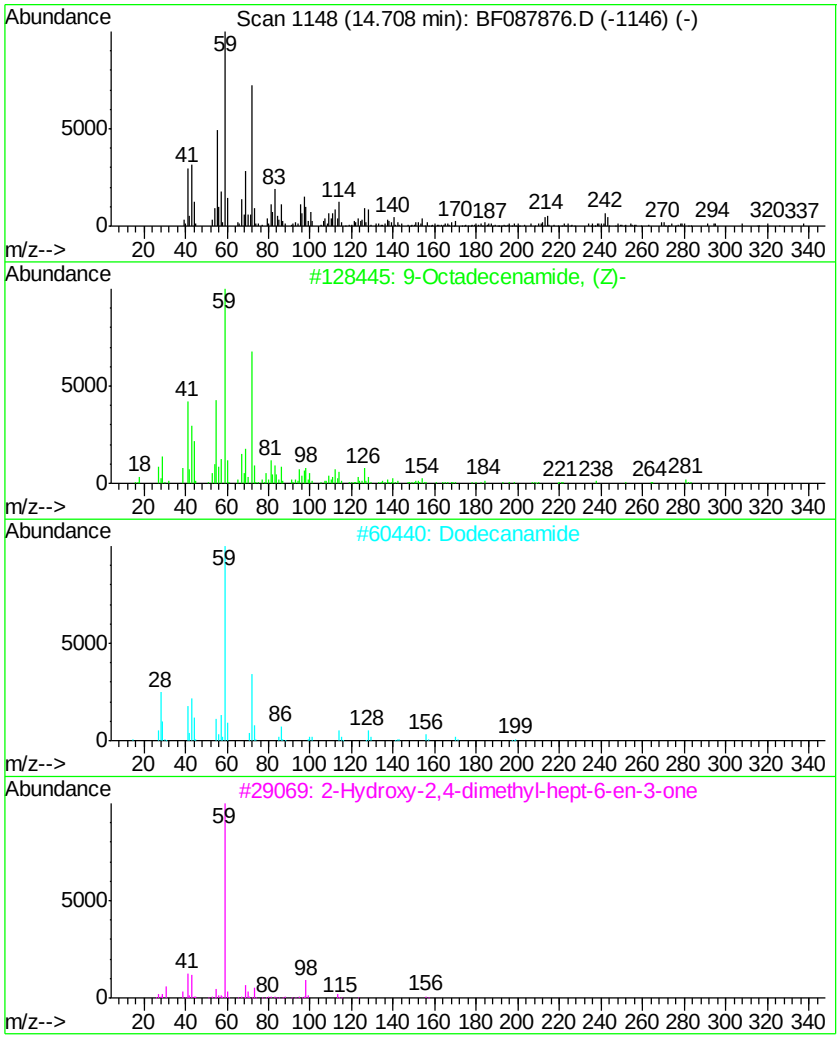
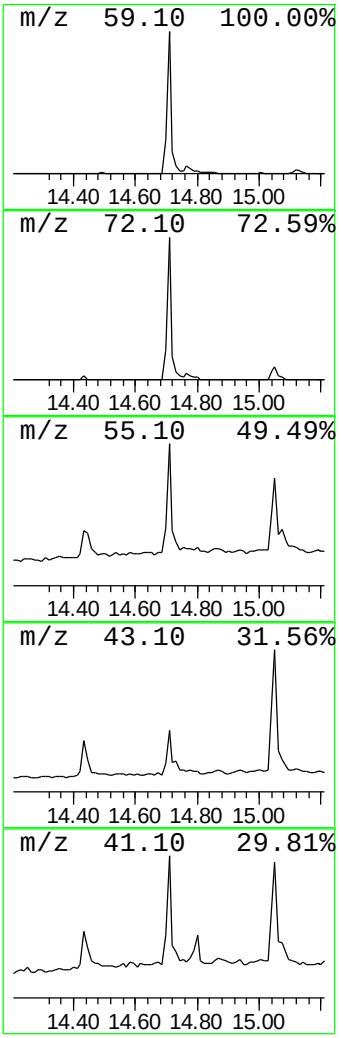
Peak Number 9 9-Octadecenamide, (Z)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	6.36 ng	273213	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	91
2	Dodecanamide	199	C12H25NO	001120-16-7	50
3	2-Hydroxy-2,4-dimethyl-hept-6-en...	156	C9H16O2	1000192-56-0	38
4	trans-2,7-Dimethyl-4,6-octadien-...	154	C10H18O	1000281-69-5	38
5	Butanamide, 3-methyl-	101	C5H11NO	000541-46-8	35





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Misc :
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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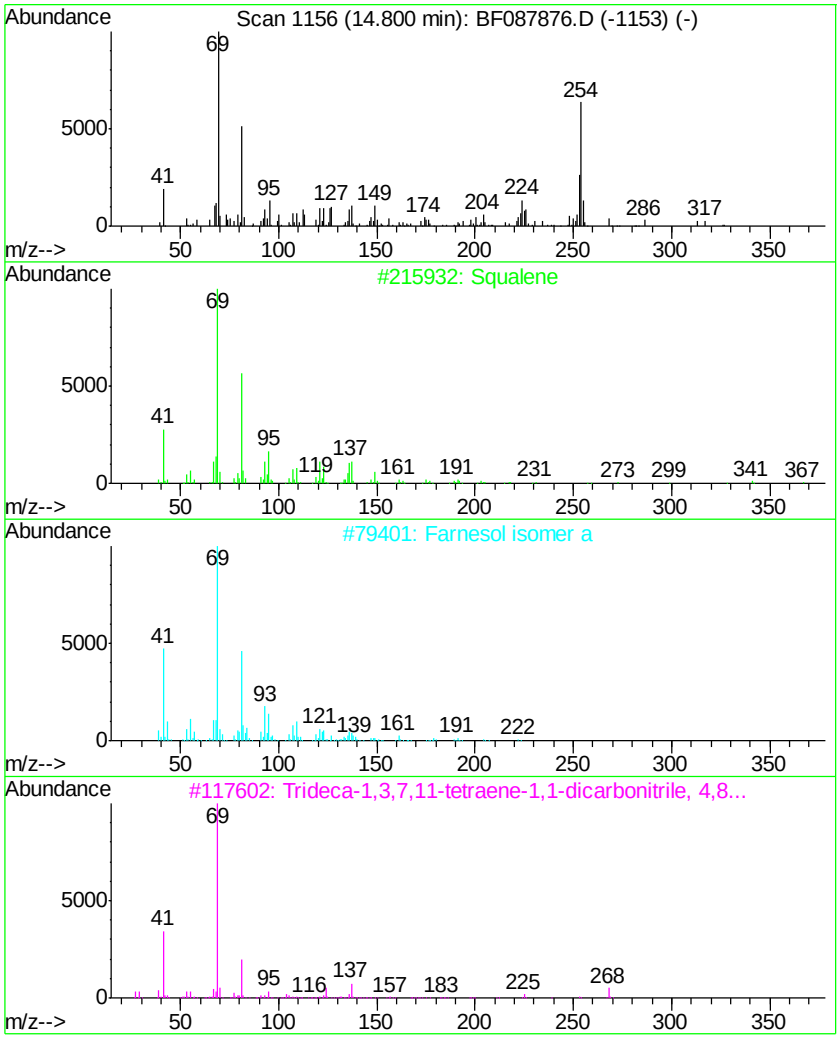
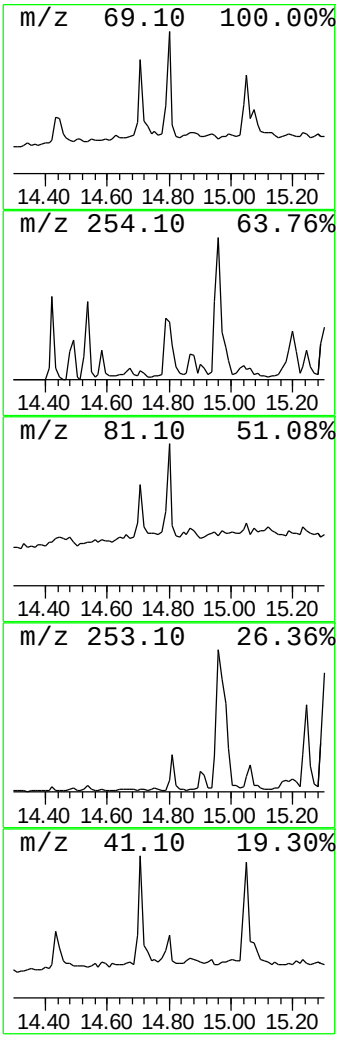
Peak Number 10 unknown14.80 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	2.74 ng	117595	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	42
2	Farnesol isomer a	222	C15H26O	1000108-92-4	41
3	Trideca-1,3,7,11-tetraene-1,1-di...	268	C18H24N2	1000159-88-9	38
4	trans-Farnesol	222	C15H26O	000106-28-5	35
5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	30





Library Search Compound Report

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TIC Integration Parameters: LSCINT.P

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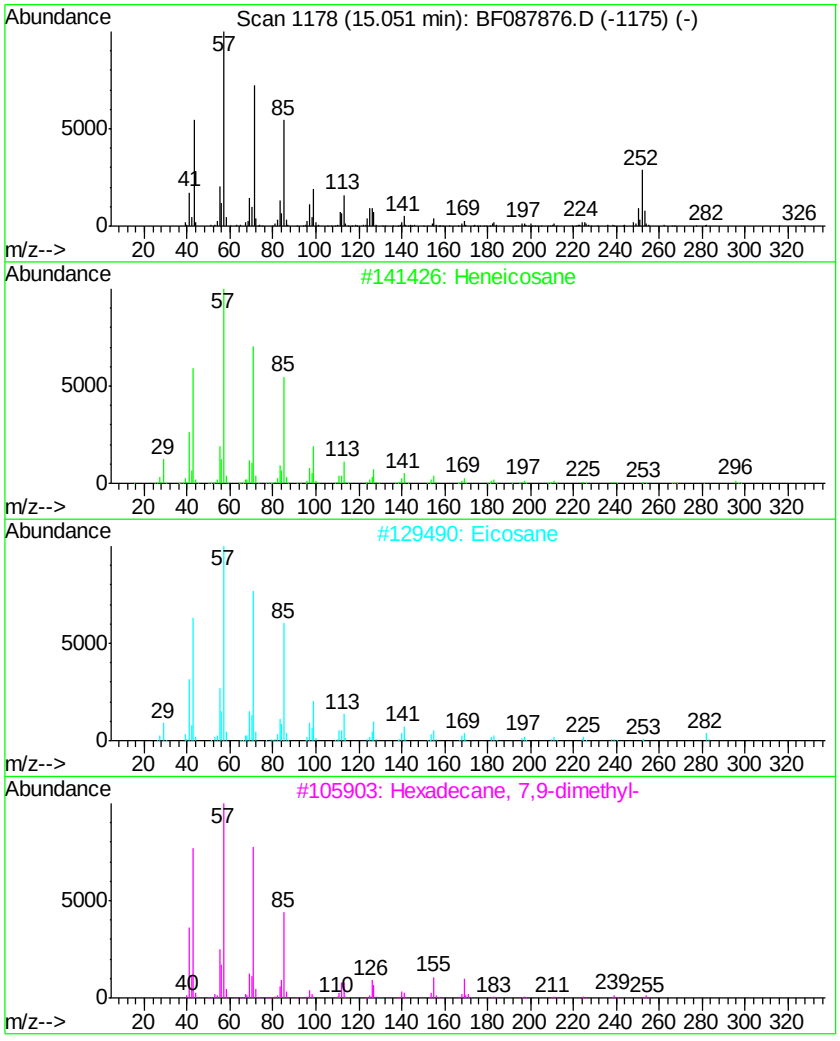
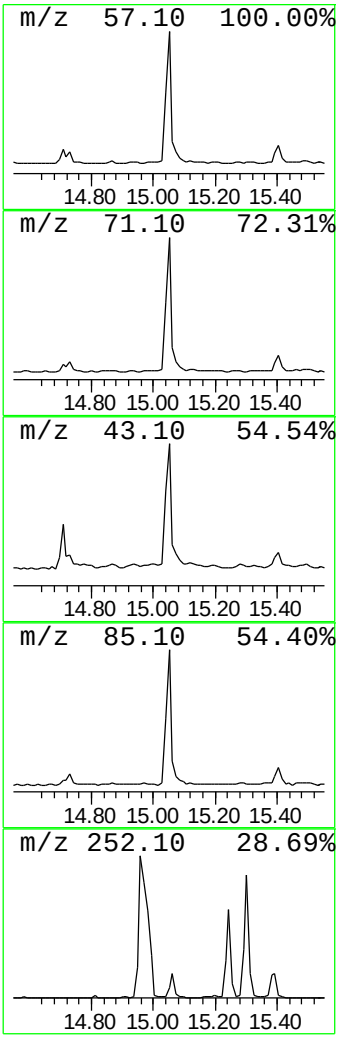
Peak Number 11 Heneicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	11.40 ng	489531	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	70
2	Eicosane	282	C20H42	000112-95-8	68
3	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	64
4	Hexacosane	366	C26H54	000630-01-3	64
5	Heptadecane	240	C17H36	000629-78-7	64





Library Search Compound Report

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Acq On : 10 Jun 2016 15:58
Operator : UM/SJ
Sample : H3426-07 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-53

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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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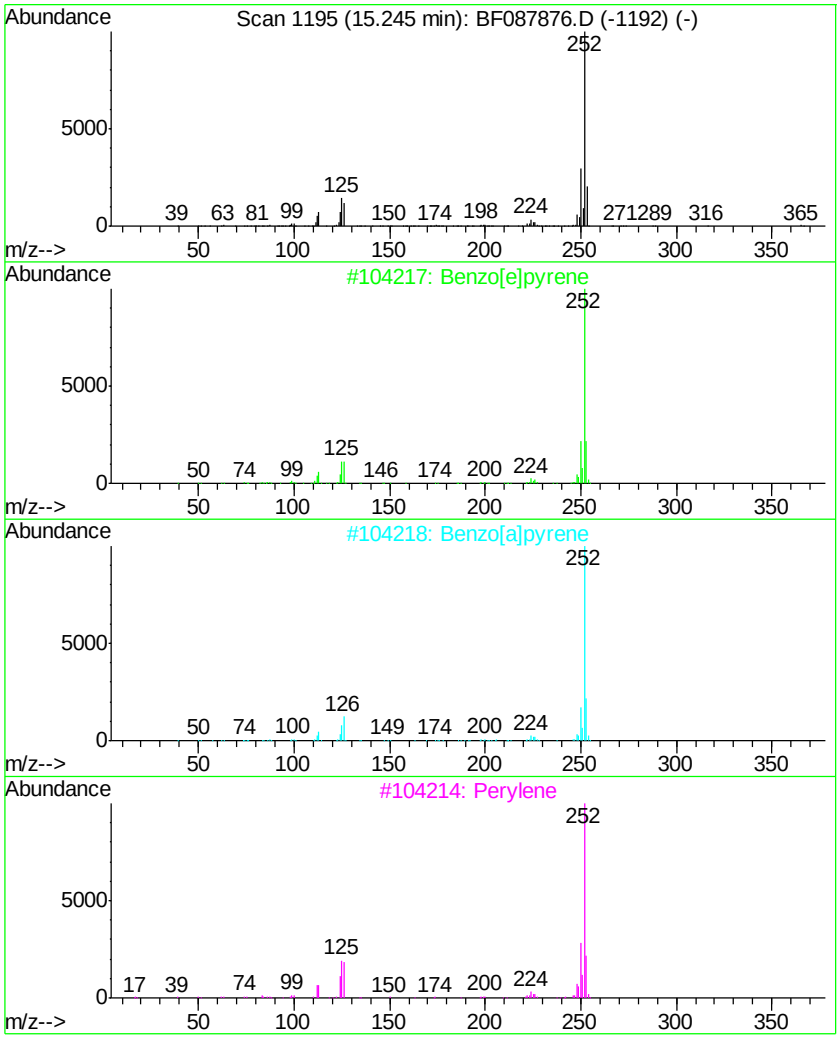
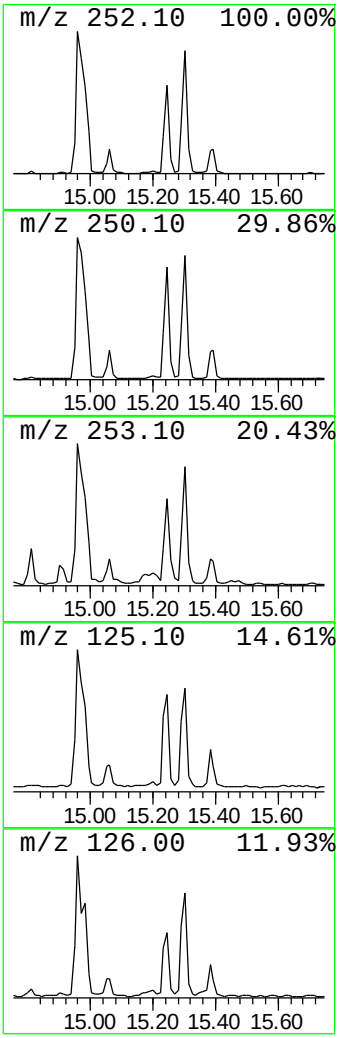
Peak Number 12 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	10.84 ng	465315	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Perylene	252	C20H12	000198-55-0	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





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Instrument : BNA_F
ClientSampleId : SS-53

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TIC Library : C:\Database\NIST11.L
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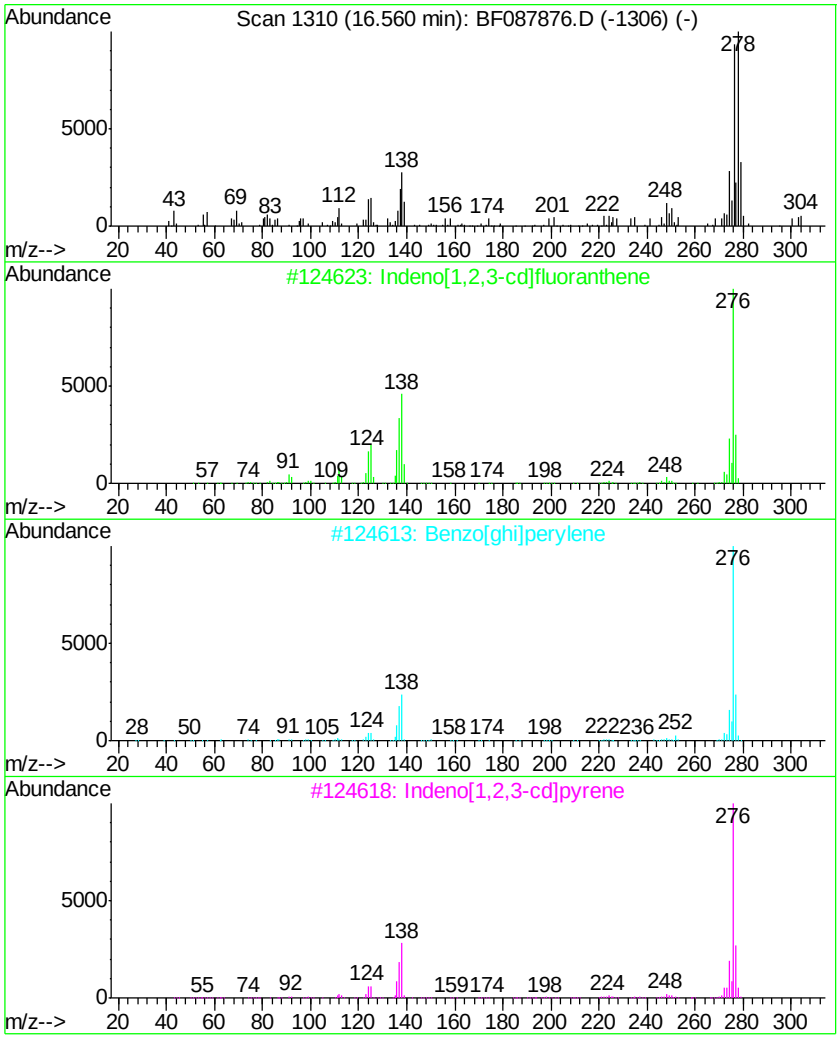
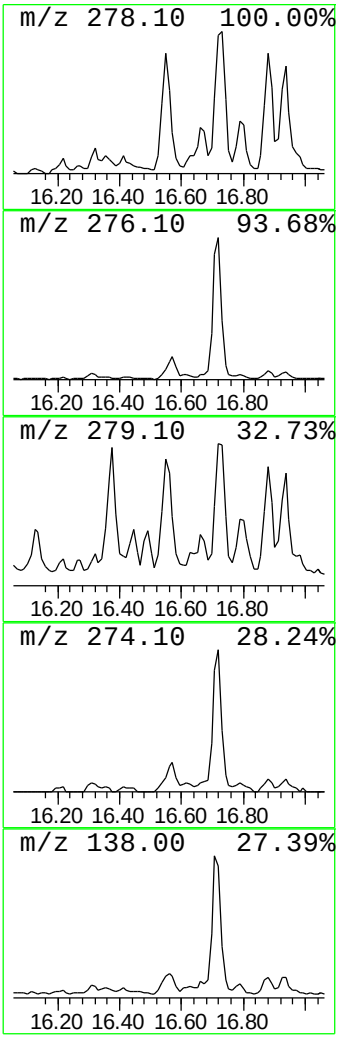
Peak Number 14 Indeno[1,2,3-cd]fluoranthene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	3.55 ng	152474	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	90
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	87
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	70
4	10-Bromo-1,2,3,4-tetrahydro-phen...	276	C14H13BrO	1000190-54-9	58
5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	55





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TIC Library : C:\Database\NIST11.L
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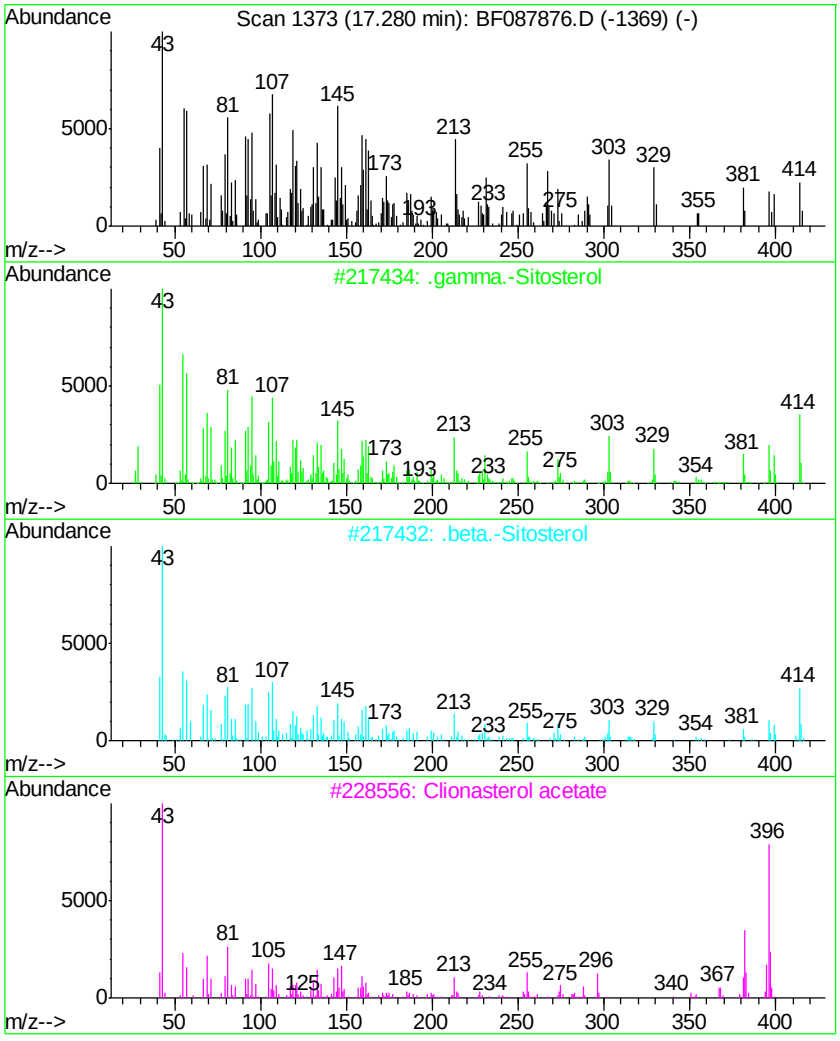
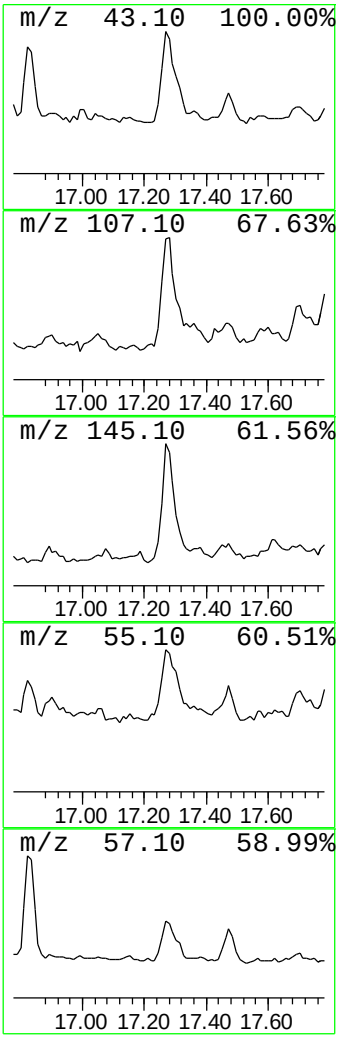
Peak Number 15 .gamma.-Sitosterol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	14.30 ng	613744	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	99
3	Clionasterol acetate	456	C31H52O2	004651-54-1	12
4	Cholest-5-ene, 3-ethoxy-, (3.bet...	414	C29H50O	000986-19-6	11
5	Pregn-5-en-3-ol, 21-bromo-20-met...	394	C22H35BrO	055103-80-5	11





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ClientSampleId : SS-53

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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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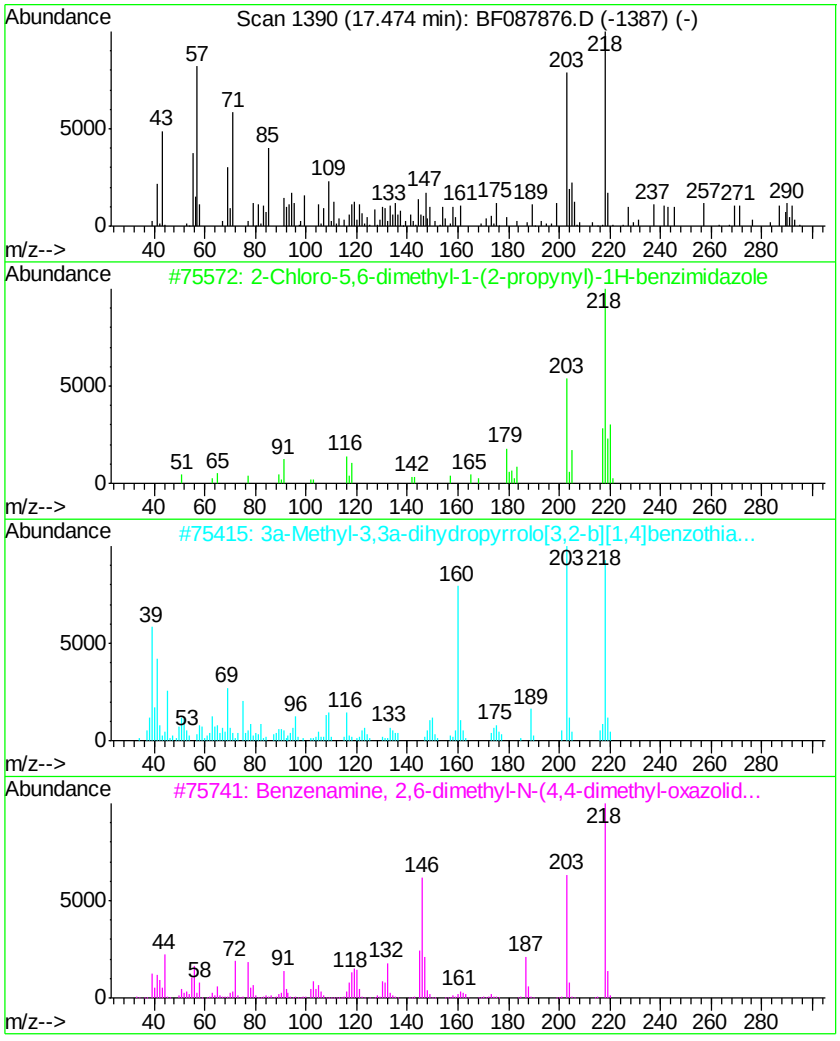
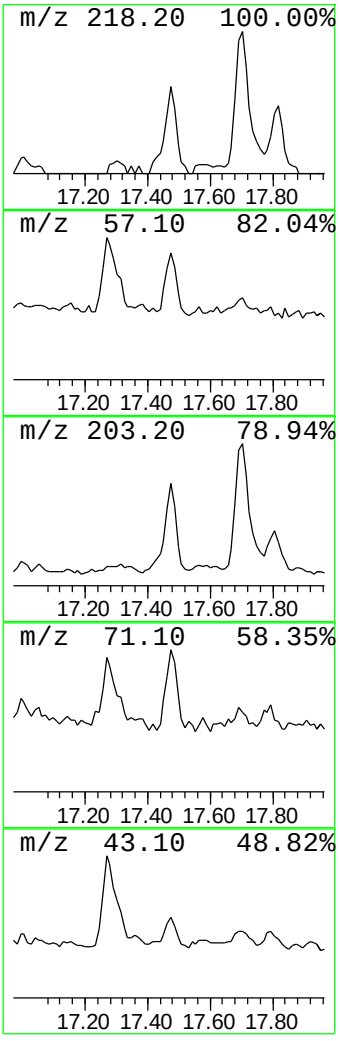
Peak Number 16 2-Chloro-5,6-dimethyl-1-(2-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.47	2.88 ng	123831	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chloro-5,6-dimethyl-1-(2-propy...	218	C12H11ClN2	080276-20-6	50
2	3a-Methyl-3,3a-dihydropyrrolo[3,...	218	C11H10N2OS	017163-68-7	46
3	Benzenamine, 2,6-dimethyl-N-(4,4...	218	C13H18N2O	281211-68-5	38
4	1-Pyrrolin-2-amine, N-(1-adamant...	218	C14H22N2	300695-00-5	35
5	5(1H)-Azulenone, 2,4,6,7,8,8a-he...	218	C15H22O	006754-66-1	30





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TIC Library : C:\Database\NIST11.L
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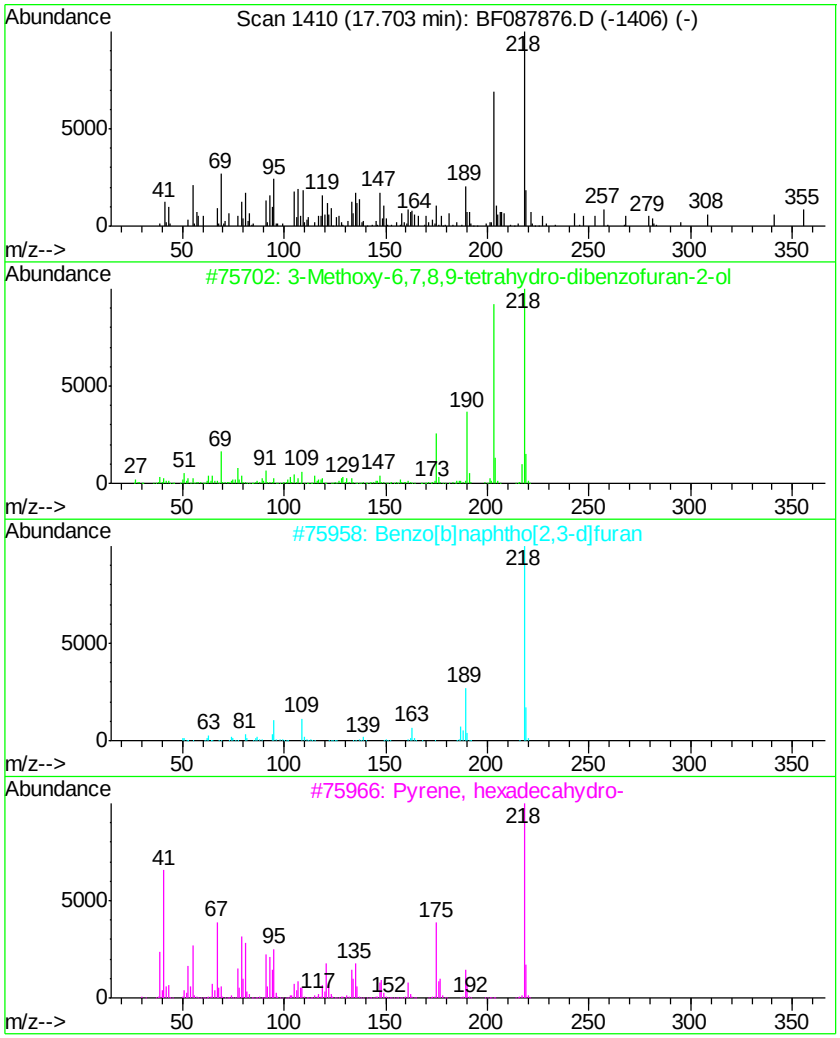
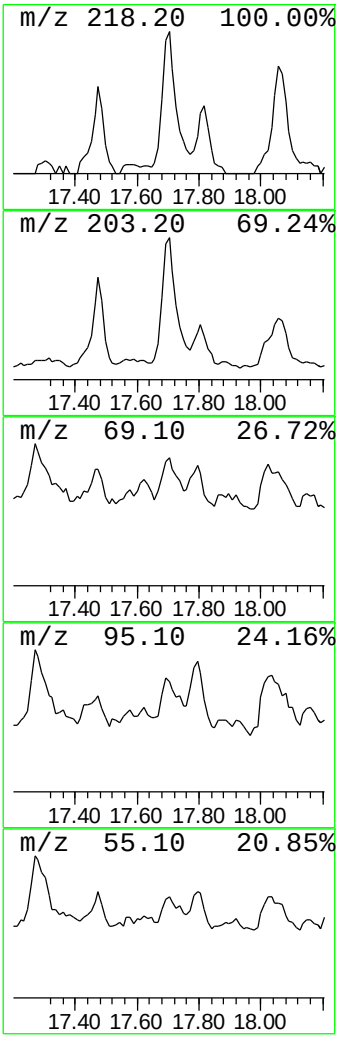
Peak Number 17 3-Methoxy-6,7,8,9-tetrahydr... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	4.46 ng	191270	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methoxy-6,7,8,9-tetrahydro-dib...	218	C13H14O3	1000186-57-9	52
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	46
3	Pyrene, hexadecahydro-	218	C16H26	002435-85-0	45
4	3,4,6,7-Tetrahydrobenzo[1,2-b:5,...	218	C12H10O4	019839-03-3	41
5	5-Adamantan-1-yl-2H-pyrazol-3-ol	218	C13H18N2O	1000274-32-3	41





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TIC Library : C:\Database\NIST11.L
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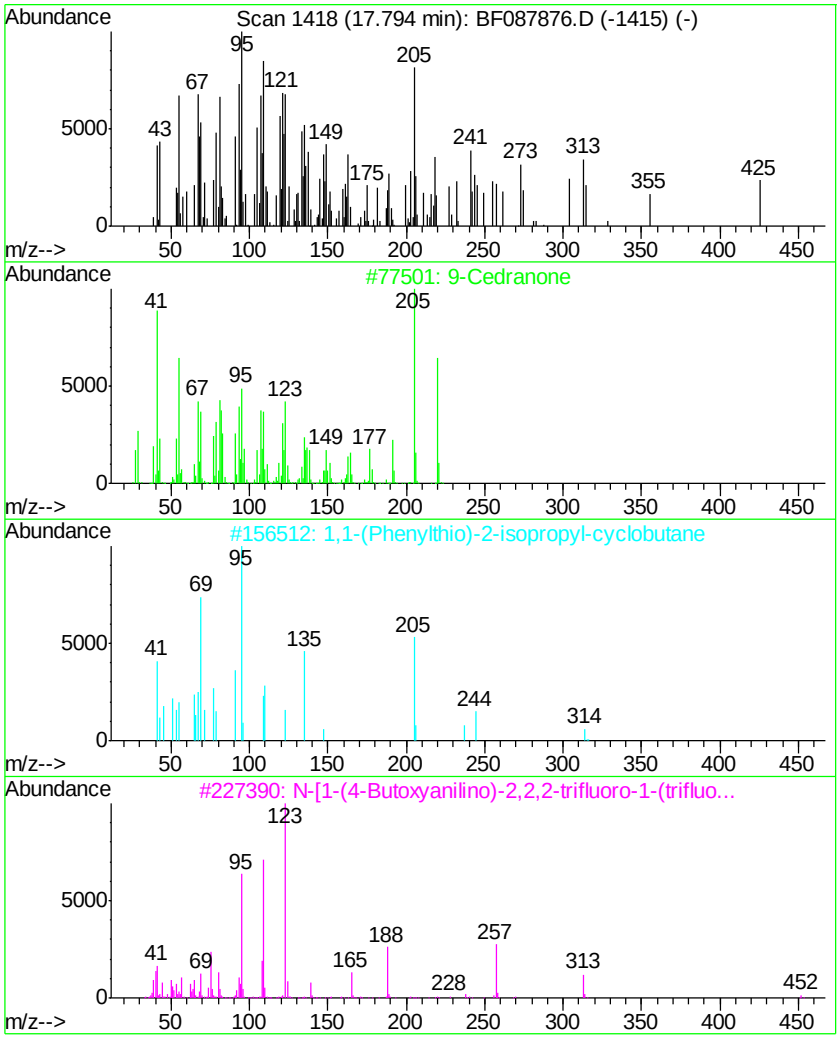
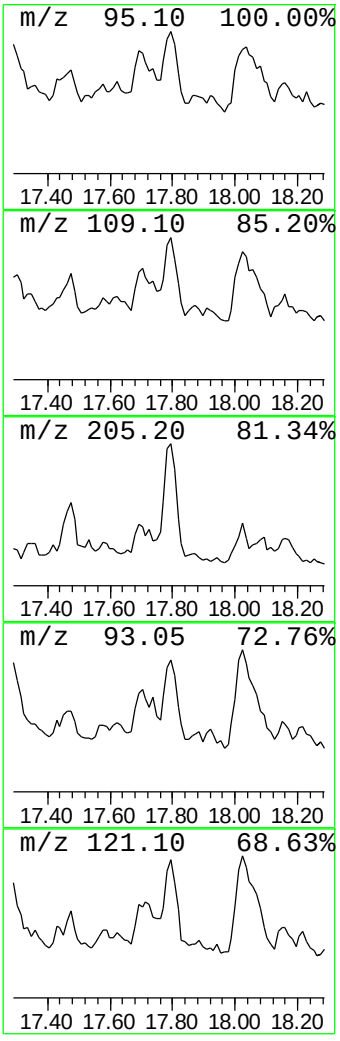
Peak Number 18 unknown17.79 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	4.70 ng	201618	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Cedranone	220	C15H24O	1000156-23-2	47
2	1,1-(Phenylthio)-2-isopropyl-cyc...	314	C19H22S2	122732-90-5	35
3	N-[1-(4-Butoxyanilino)-2,2,2-tri...	452	C20H19F7N2O2	339351-83-6	16
4	1-Formyl-2,2-dimethyl-3-cis-(2-m...	220	C15H24O	1000144-10-0	14
5	Pyrido[3,4-d]pyridazin-1(2H)-one...	205	C9H11N5O	1000271-08-5	11





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Sample : H3426-07 2X
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Instrument : BNA_F
ClientSampleId : SS-53

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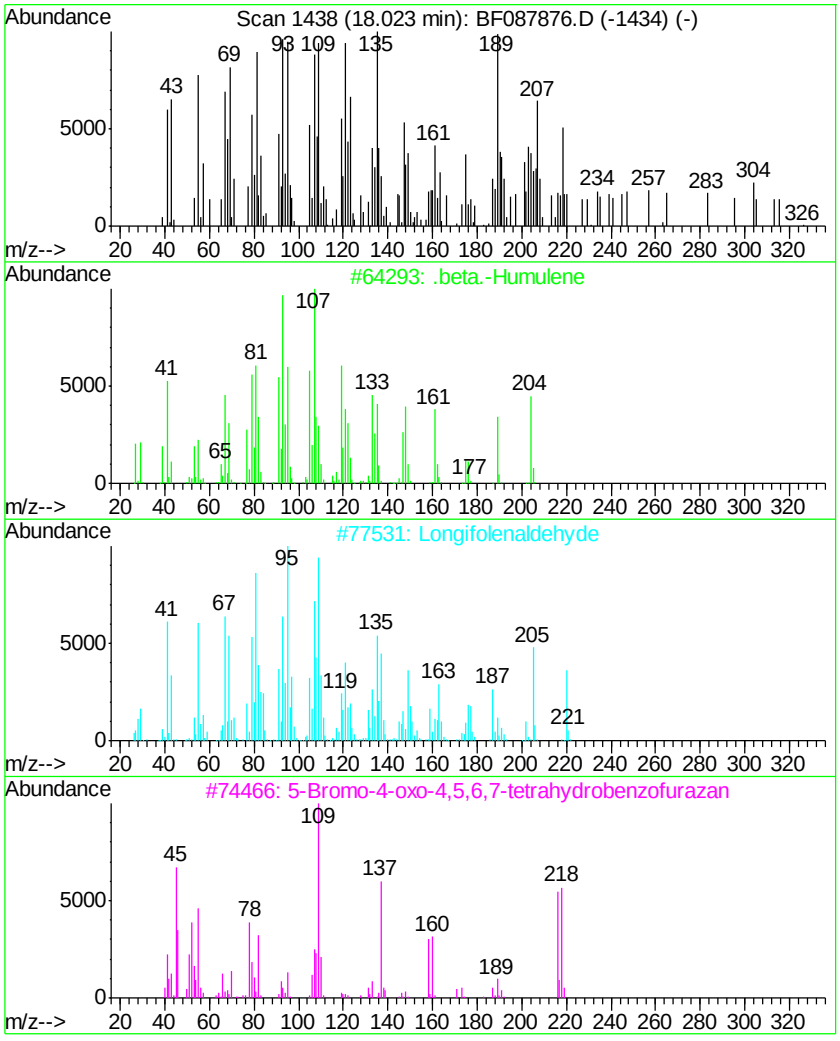
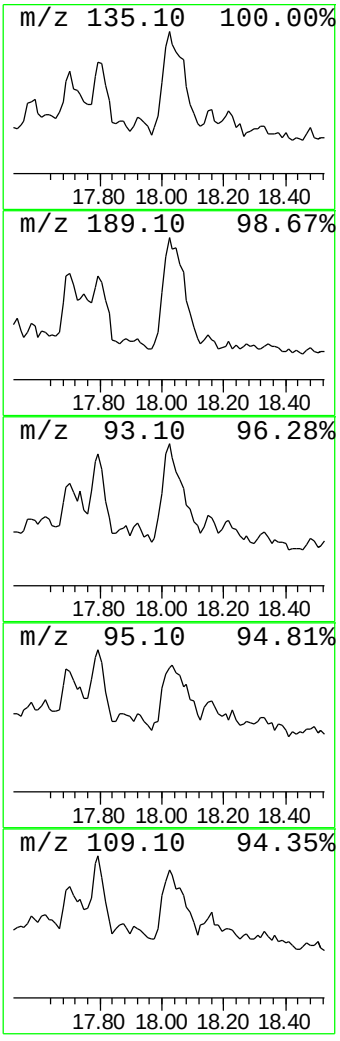
Peak Number 19 .beta.-Humulene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	7.38 ng	316816	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Humulene	204	C15H24	000116-04-1	91
2	Longifolenaldehyde	220	C15H24O	019890-84-7	83
3	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	68
4	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	66
5	4,8-Methanoazulen-9-ol, decahydr...	222	C15H26O	004586-22-5	60





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

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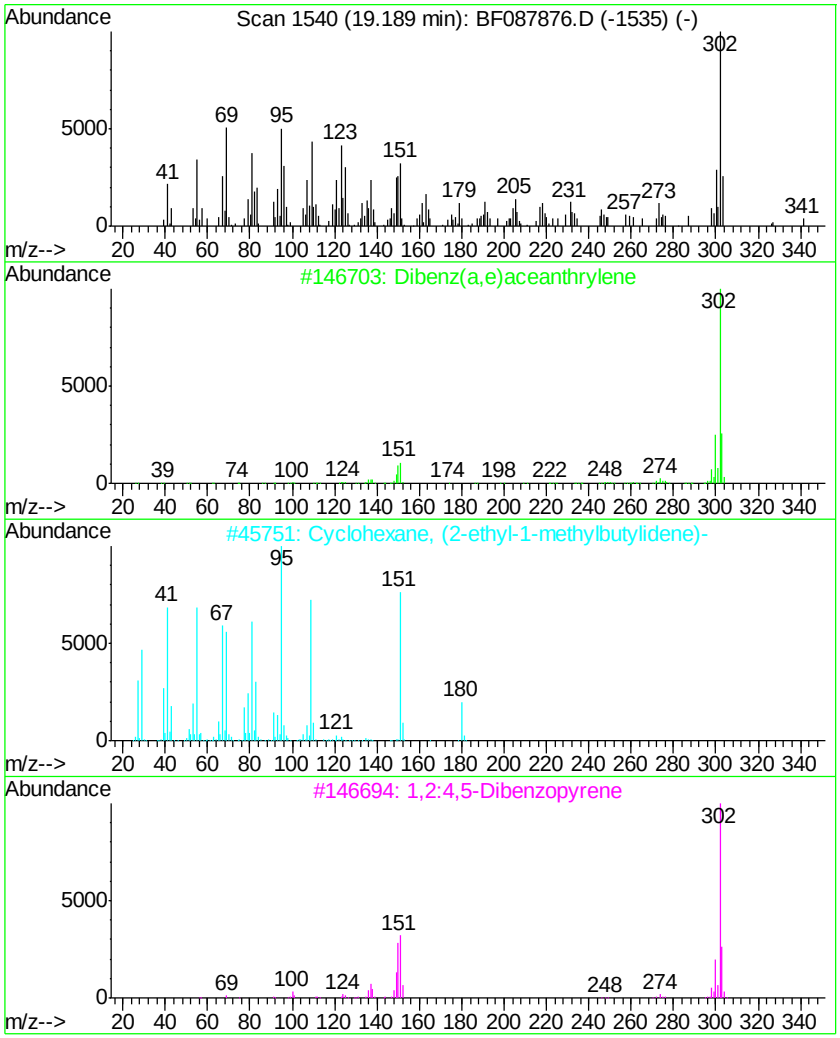
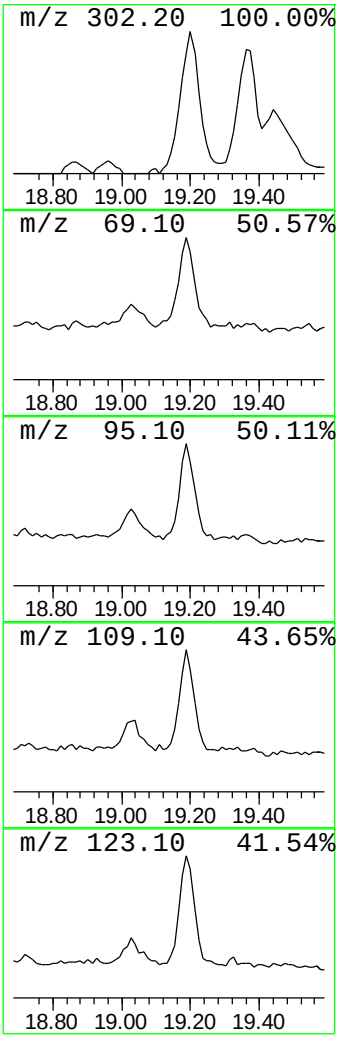
Peak Number 20 Dibenz(a,e)aceanthrylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.19	9.69 ng	415992	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	50
2	Cyclohexane, (2-ethyl-1-methylbu...	180	C13H24	074810-41-6	47
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	46
4	Androstane-3,12,17-trione, (5.be...	302	C19H26O3	053604-37-8	45
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	41





Tentatively Identified Compound (LSC) summary

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

					Internal Standard			
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Phenanthrene, 2-m...	11.85	2.9	ng	128741	4	11.32	896673	20.0
4H-Cyclopenta[def...	11.93	5.7	ng	255927	4	11.32	896673	20.0
9,10-Anthracenedione	12.14	4.4	ng	197995	4	11.32	896673	20.0
Hexadecanamide	12.42	3.5	ng	158367	4	11.32	896673	20.0
9-Octadecenamide,...	14.71	6.4	ng	273213	6	15.36	858637	20.0
unknown14.80	14.80	2.7	ng	117595	6	15.36	858637	20.0
Heneicosane	15.05	11.4	ng	489531	6	15.36	858637	20.0
Benzo[e]pyrene	15.25	10.8	ng	465315	6	15.36	858637	20.0
Indeno[1,2,3-cd]f...	16.56	3.5	ng	152474	6	15.36	858637	20.0
.gamma.-Sitosterol	17.28	14.3	ng	613744	6	15.36	858637	20.0
2-Chloro-5,6-dime...	17.47	2.9	ng	123831	6	15.36	858637	20.0
3-Methoxy-6,7,8,9...	17.70	4.5	ng	191270	6	15.36	858637	20.0
unknown17.79	17.79	4.7	ng	201618	6	15.36	858637	20.0
.beta.-Humulene	18.02	7.4	ng	316816	6	15.36	858637	20.0
Dibenz(a,e)aceant...	19.19	9.7	ng	415992	6	15.36	858637	20.0