LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
Data File : BF116293.D
Acq On : 15 Aug 2019 22:04
Operator : HP/JU
Sample : K4356-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6

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_F\METHODS\8270-BF073019.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	5.440	566	570	592	rBV	897667	1289636	87.01%	6.646%
2	6.451	739	742	762	rBV	1165559	1432703	96.67%	7.383%
3	6.587	762	765	774	rVV	1573790	1482117	100.00%	7.638%
4	6.816	801	804	815	rBV	480210	461806	31.16%	2.380%
5	6.969	827	830	848	rBV	1042399	1074499	72.50%	5.537%
6	7.381	897	900	925	rBV	809574	933443	62.98%	4.810%
7	8.098	1019	1022	1045	rVB	571025	588287	39.69%	3.032%
8	9.169	1200	1204	1216	rBV	1526384	1343635	90.66%	6.924%
9	9.563	1268	1271	1286	rBV	257480	290480	19.60%	1.497%
10	9.851	1316	1320	1333	rBV	759840	720712	48.63%	3.714%
11	10.639	1450	1454	1471	rBV	973354	1066074	71.93%	5.494%
12	11.339	1569	1573	1582	rBV	706162	770366	51.98%	3.970%
13	11.857	1658	1661	1665	rBV	23240	26615	1.80%	0.137%
14	12.410	1752	1755	1758	rVB	21289	17148	1.16%	0.088%
15	12.910	1837	1840	1853	rVB	1515794	1367888	92.29%	7.049%
16	13.139	1872	1879	1884	rBV	38530	42493	2.87%	0.219%
17	13.480	1933	1937	1942	rBV2	27142	29298	1.98%	0.151%
18	13.598	1953	1957	1961	rBV2	19049	18333	1.24%	0.094%
19	13.798	1988	1991	2000	rBV2	222011	322381	21.75%	1.661%
20	13.868	2000	2003	2007	rVB2	32227	33684	2.27%	0.174%
21	13.945	2012	2016	2018	rVV2	54150	49876	3.37%	0.257%
22	13.980	2018	2022	2034	rVB	764132	819093	55.27%	4.221%
23	14.121	2042	2046	2055	rBV	46257	59629	4.02%	0.307%
24	14.245	2063	2067	2070	rBV	71360	63079	4.26%	0.325%
25	14.433	2094	2099	2109	rBV	234374	419778	28.32%	2.163%
26	14.721	2144	2148	2152	rBV	61601	66635	4.50%	0.343%
27	14.862	2169	2172	2177	rVB	57029	55943	3.77%	0.288%
28	15.051	2198	2204	2207	rBV	117950	155834	10.51%	0.803%
29	15.080	2207	2209	2221	rVB4	49087	100551	6.78%	0.518%
30	15.433	2262	2269	2285	rVB	500981	831385	56.09%	4.284%
31	15.615	2296	2300	2306	rBV6	17365	28439	1.92%	0.147%
32	15.839	2333	2338	2344	rBV	75033	109008	7.35%	0.562%
33	15.904	2344	2349	2352	rBV5	15419	29526	1.99%	0.152%
34	16.109	2381	2384	2389	rVB3	15453	22944	1.55%	0.118%

LSC Area Percent Report

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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6

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_F\METHODS\8270-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.327	2416	2421	2427	rBV	35089	59776	4.03%	0.308%
36	16.892	2513	2517	2522	rVB4	13860	23418	1.58%	0.121%
37	17.474	2601	2616	2628	rBV2	620029	1411117	95.21%	7.272%
38	17.715	2650	2657	2677	rBV5	129075	416334	28.09%	2.146%
39	17.939	2686	2695	2706	rVB2	367321	854633	57.66%	4.404%
40	18.174	2725	2735	2746	rBV7	60430	219597	14.82%	1.132%
41	18.280	2746	2753	2765	rVB3	113600	296658	20.02%	1.529%

Sum of corrected areas: 19404851

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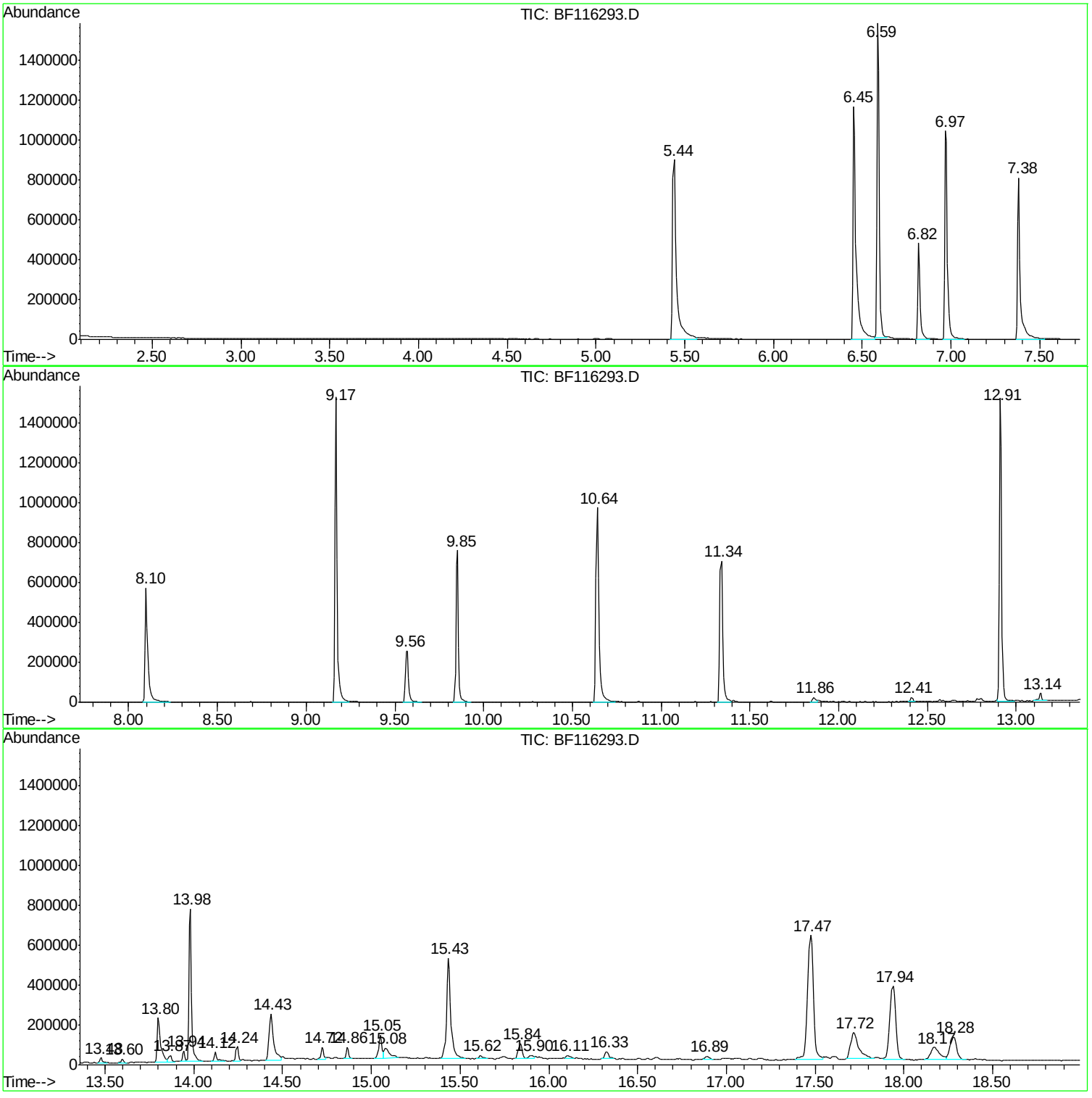
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

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TIC Library : C:\DATABASE\NIST11.L
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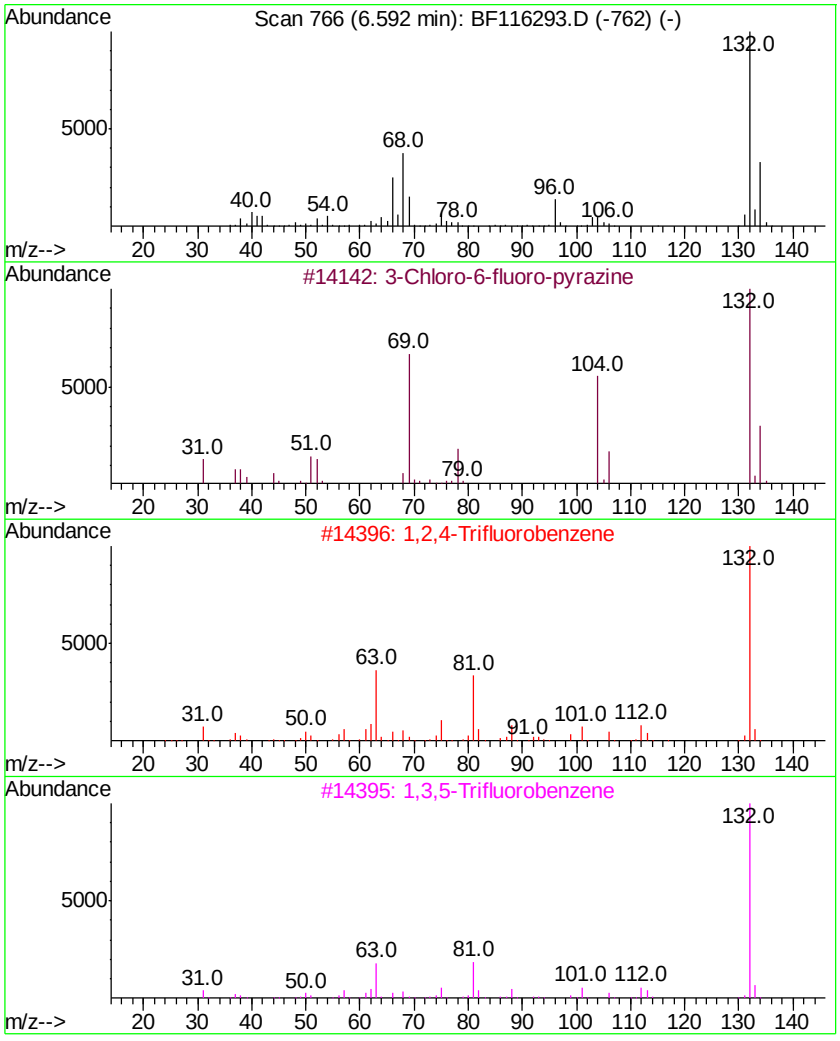
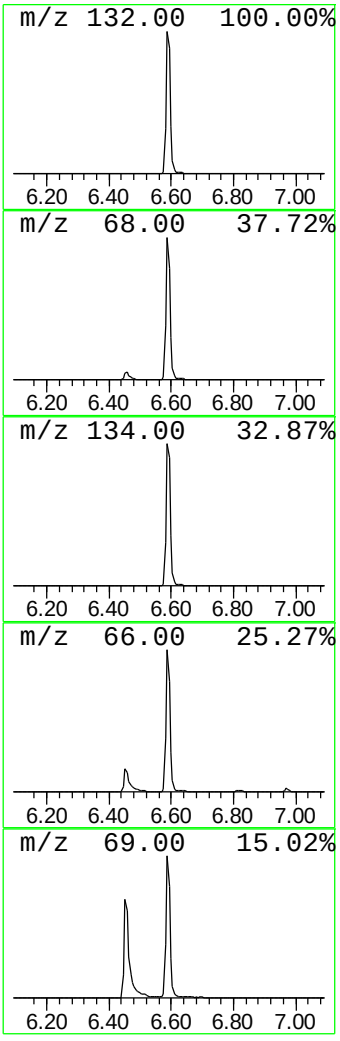
Peak Number 1 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	64.19 ng	1482120	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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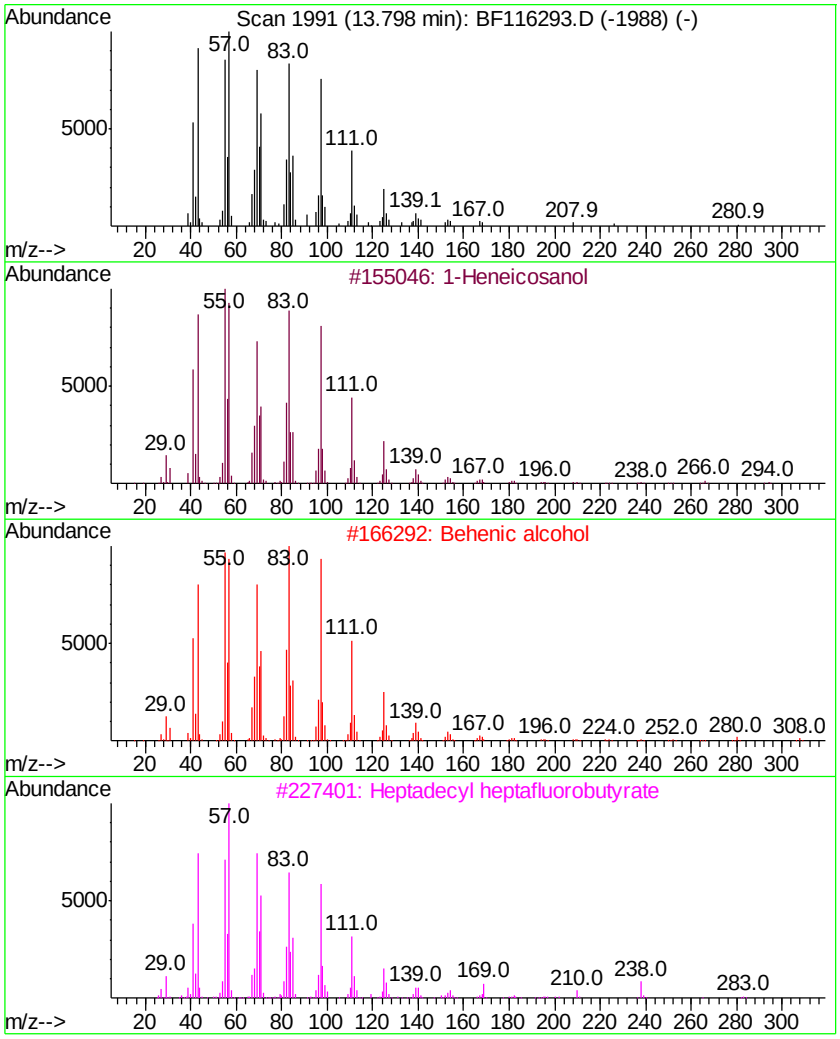
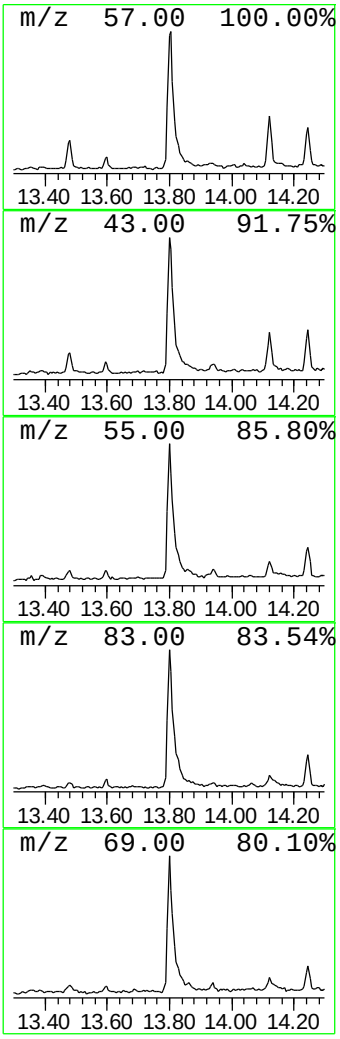
Peak Number 3 1-Heneicosanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	7.87 ng	322381	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	Behenic alcohol	326	C22H46O	000661-19-8	95
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	91
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	91





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Acq On : 15 Aug 2019 22:04
Operator : HP/JU
Sample : K4356-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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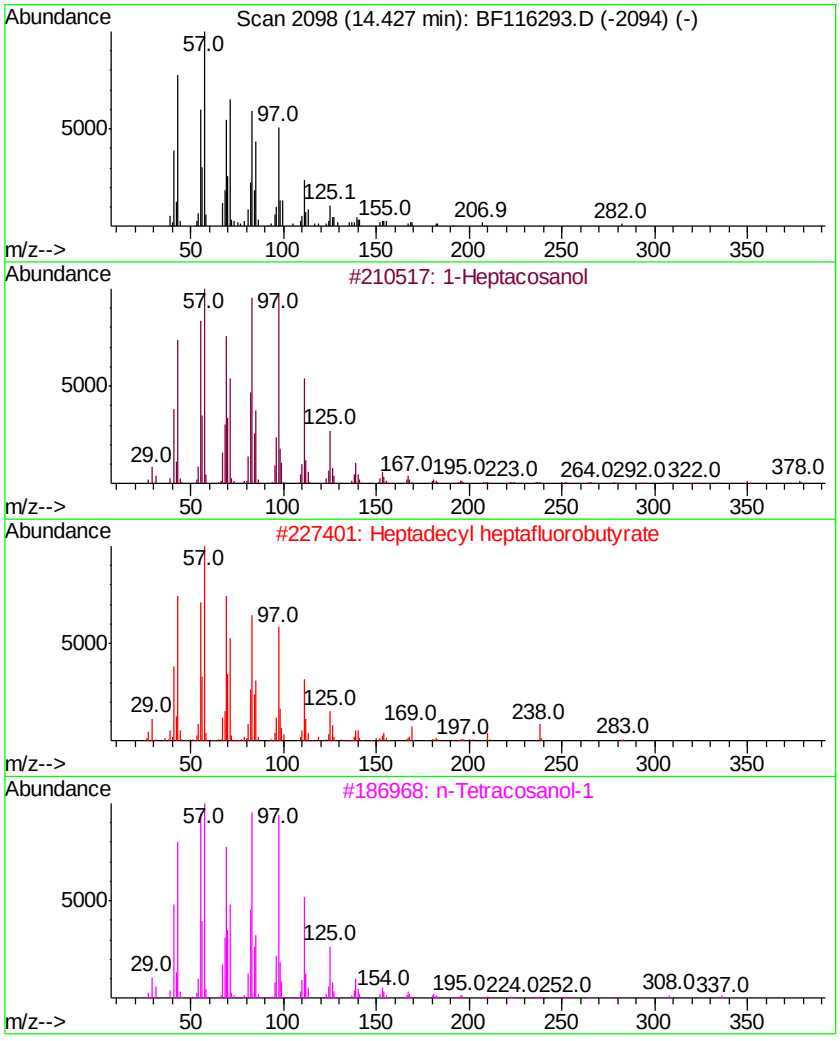
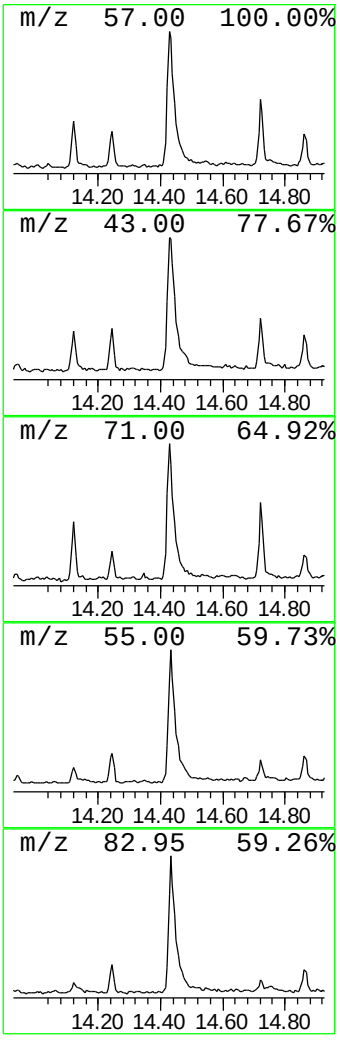
Peak Number 4 1-Heptacosanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	10.25 ng	419778	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	94
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
4	Behenic alcohol	326	C22H46O	000661-19-8	93
5	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
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Acq On : 15 Aug 2019 22:04
Operator : HP/JU
Sample : K4356-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

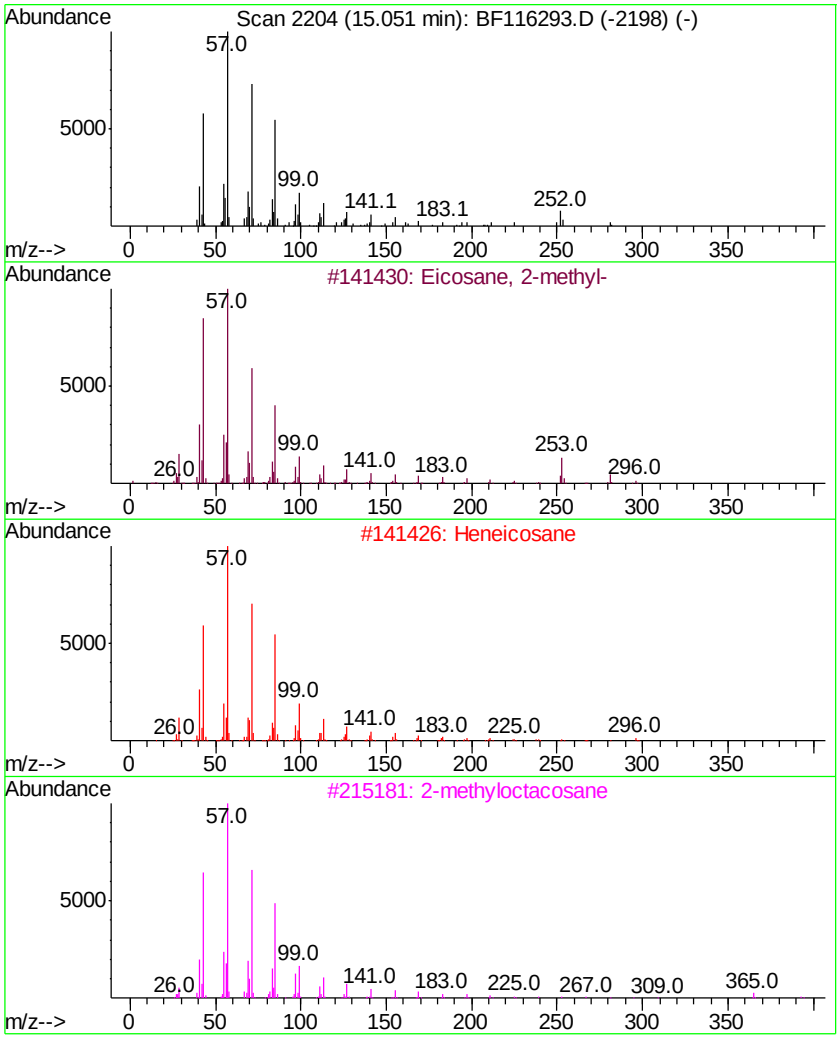
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

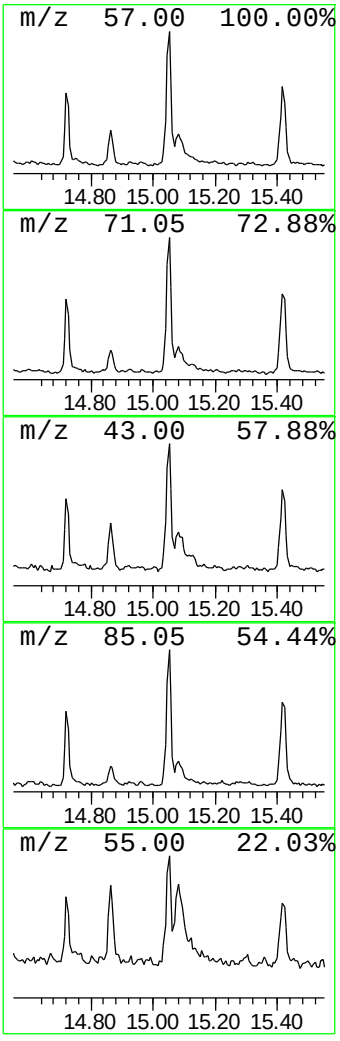
****

Peak Number 5 Eicosane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	3.75 ng	155834	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 2-methyl-	296	C21H44	001560-84-5	91
2	Heneicosane	296	C21H44	000629-94-7	90
3	2-methyloctacosane	408	C29H60	1000376-72-8	90
4	Octacosane	394	C28H58	000630-02-4	90
5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	90





Library Search Compound Report

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Sample : K4356-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

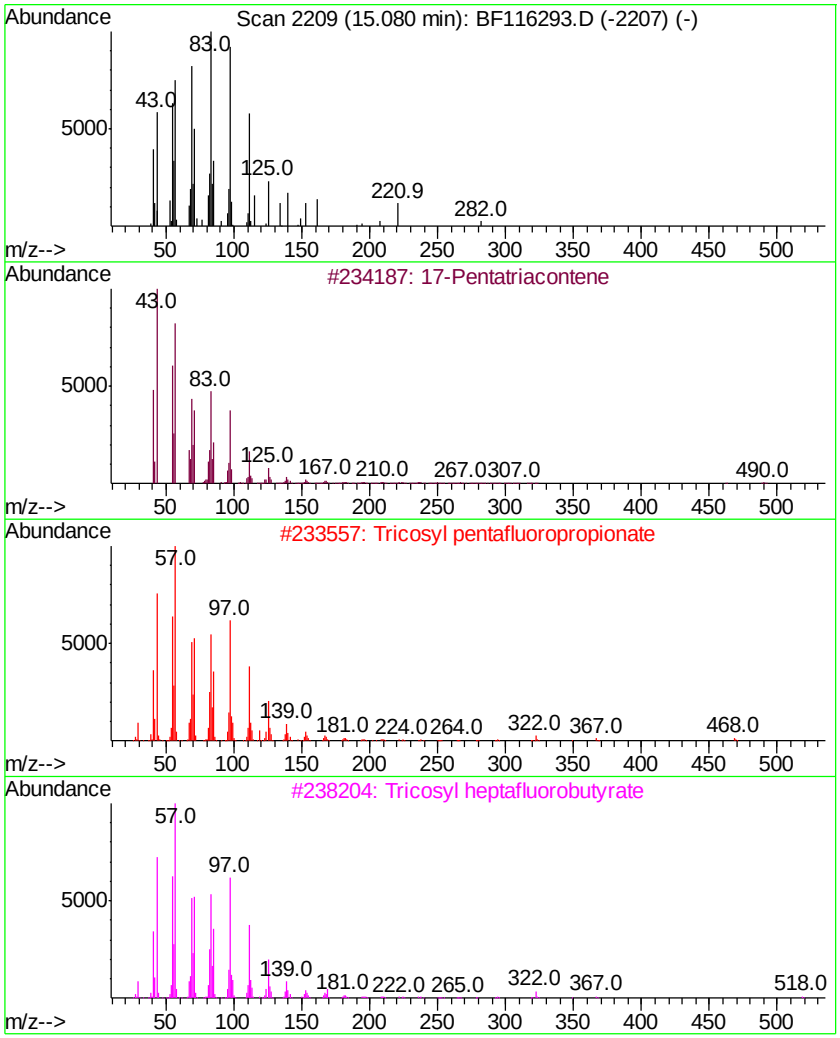
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

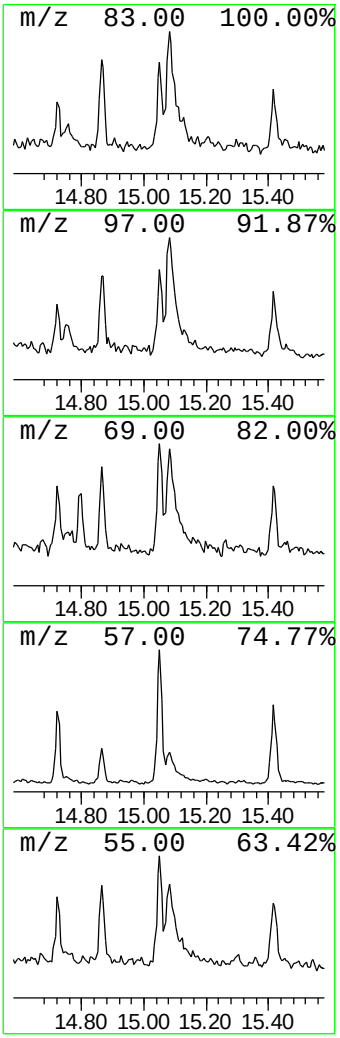
****

Peak Number 6 17-Pentatriacontene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	2.42 ng	100551	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Pentatriacontene	491	C35H70	006971-40-0	52
2	Tricosyl pentafluoropropionate	486	C26H47F5O2	1000351-81-0	43
3	Tricosyl heptafluorobutyrate	536	C27H47F7O2	1000351-83-4	43
4	Triacontyl trifluoroacetate	534	C32H61F3O2	1000351-75-7	43
5	Hexacosyl trifluoroacetate	478	C28H53F3O2	1000351-75-0	43





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Instrument : BNA_F
ClientSampleId : TP-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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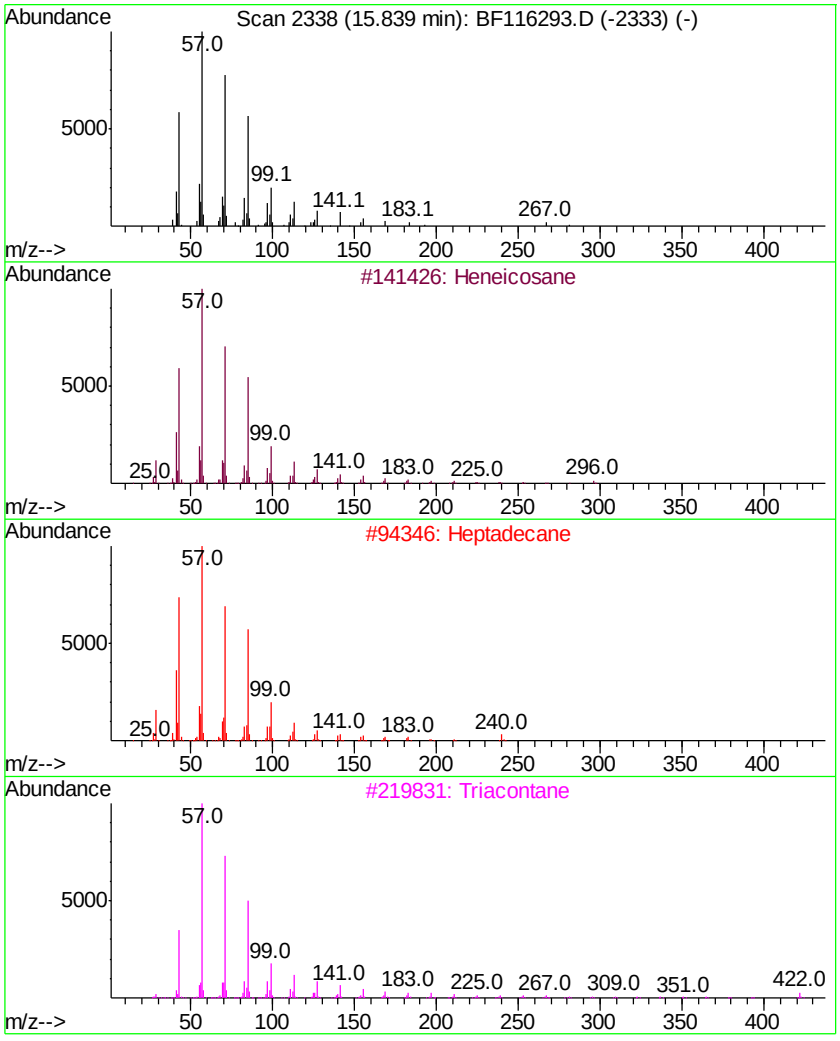
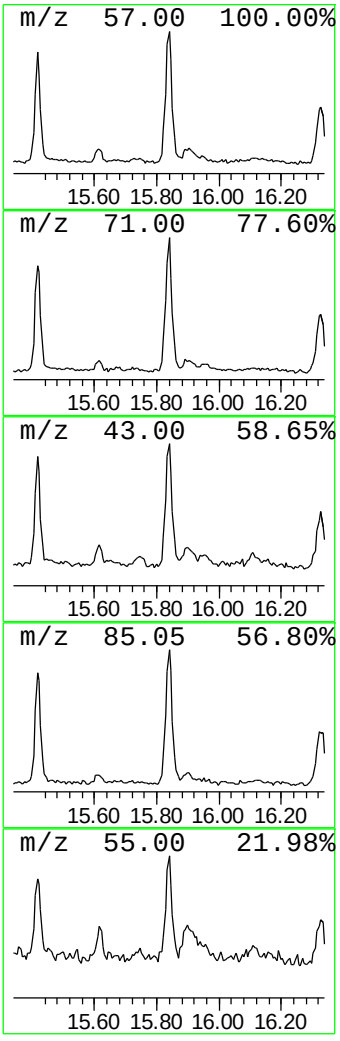
Peak Number 7 Heneicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	2.62 ng	109008	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Heptadecane	240	C17H36	000629-78-7	91
3	Triacontane	422	C30H62	000638-68-6	91
4	2-methyloctacosane	408	C29H60	1000376-72-8	91
5	Hexacosane	366	C26H54	000630-01-3	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

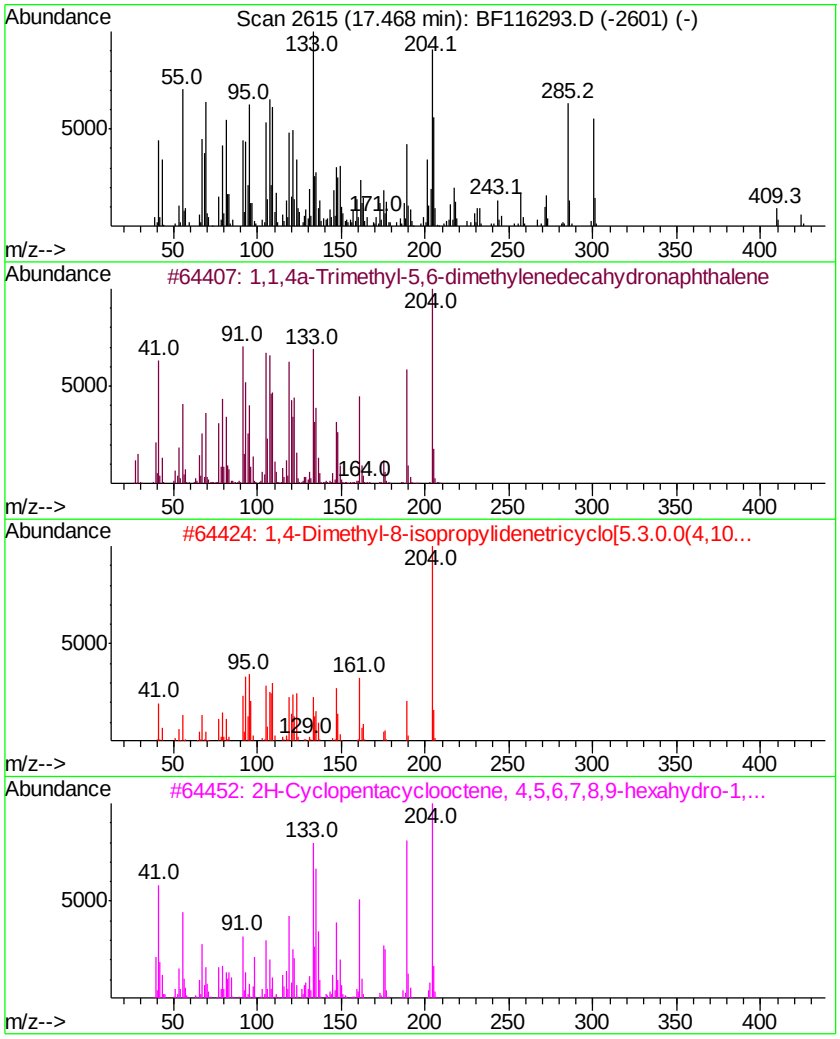
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

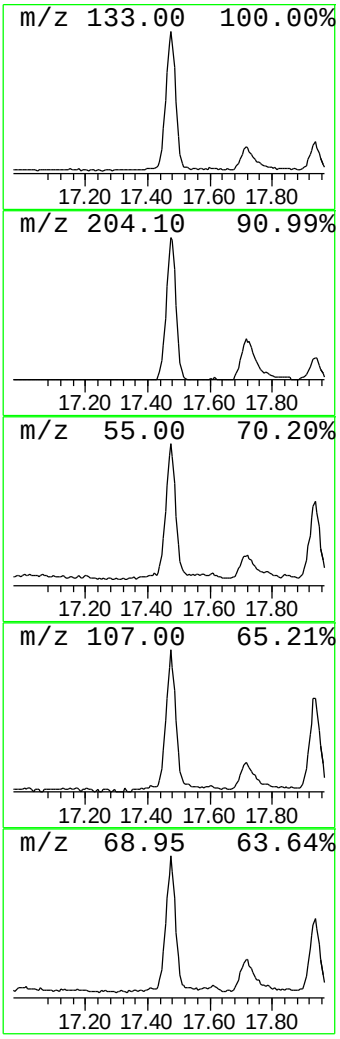
****

Peak Number 8 1,1,4a-Trimethyl-5,6-dimeth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.47	33.95 ng	1411120	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	55
2	1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1000140-07-7	46
3	2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	45
4	1,4-Methano-1H-indene, octahydro...	204	C15H24	087064-18-4	45
5	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	010219-75-7	45





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Instrument : BNA_F
ClientSampleId : TP-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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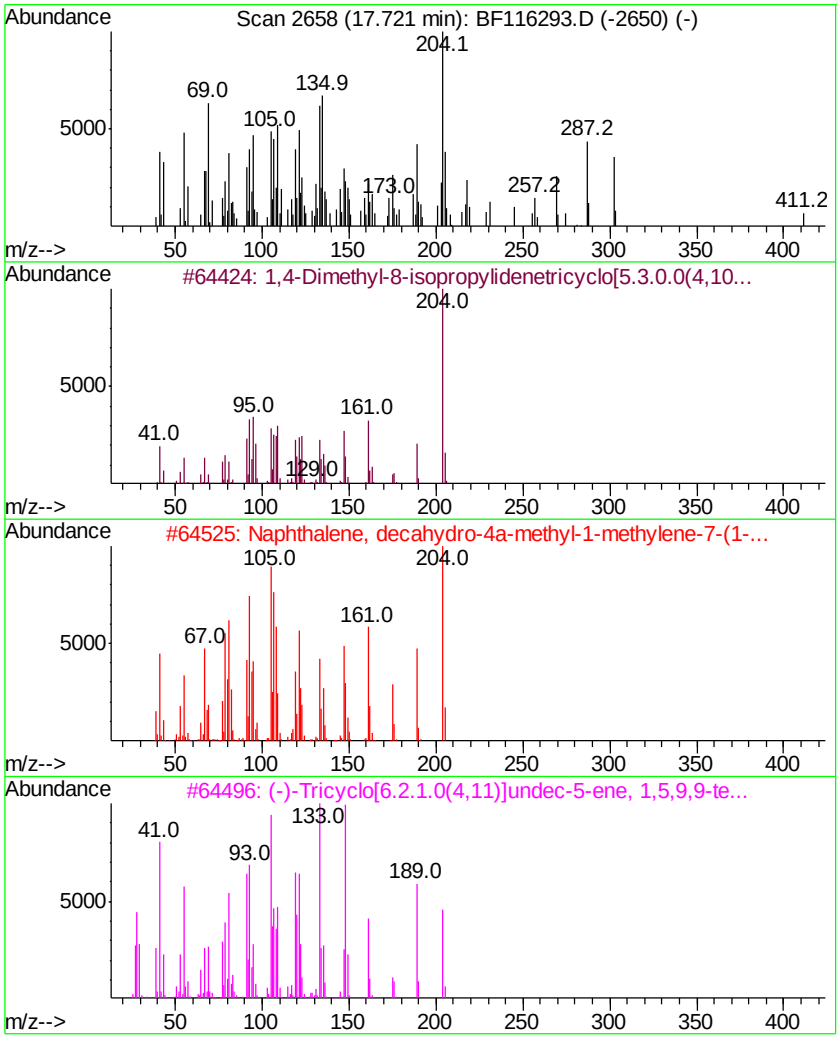
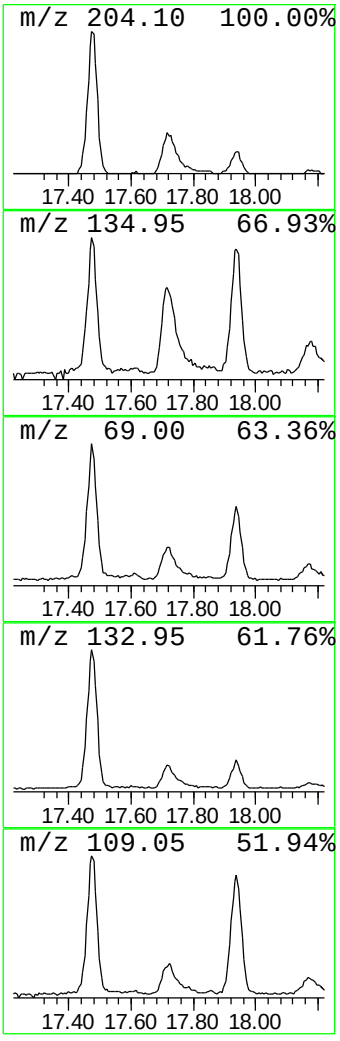
Peak Number 9 1,4-Dimethyl-8-isopropylide... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	10.02 ng	416334	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1000140-07-7	58
2	Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	55
3	(-)-Tricyclo[6.2.1.0(4,11)]undec...	204	C15H24	1000154-06-7	52
4	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	50
5	1H-3a,7-Methanoazulene, 2,3,6,7,...	204	C15H24	000560-32-7	43





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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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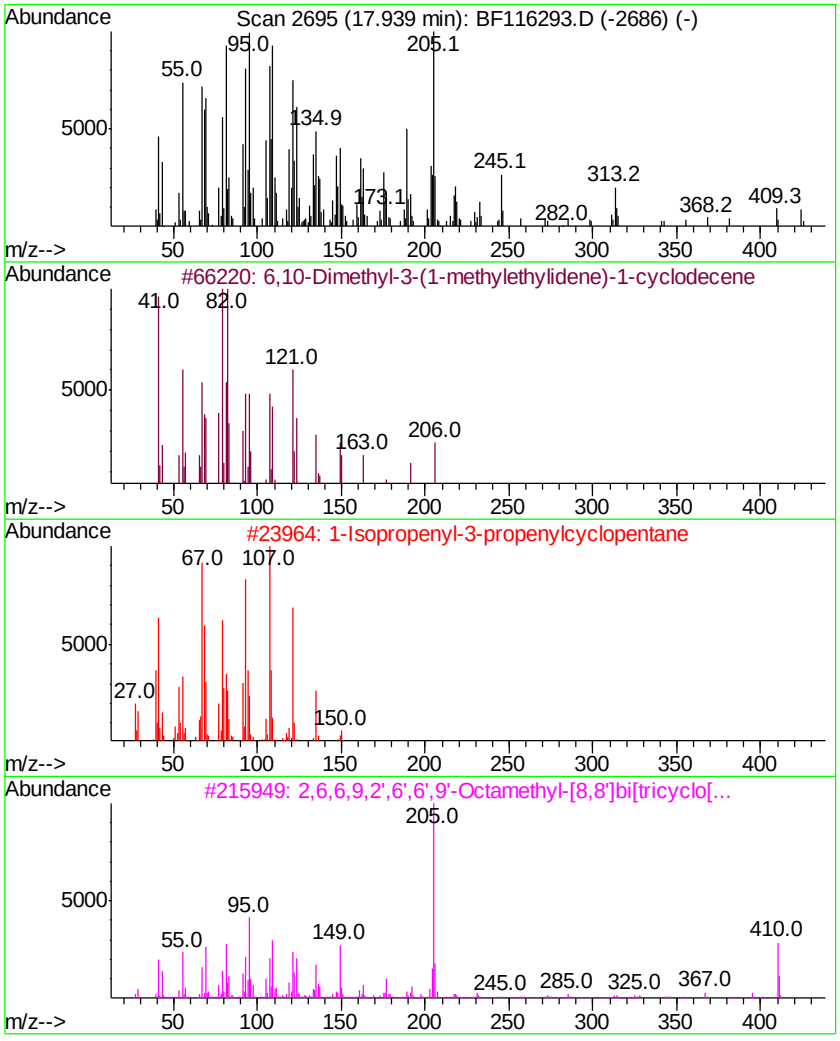
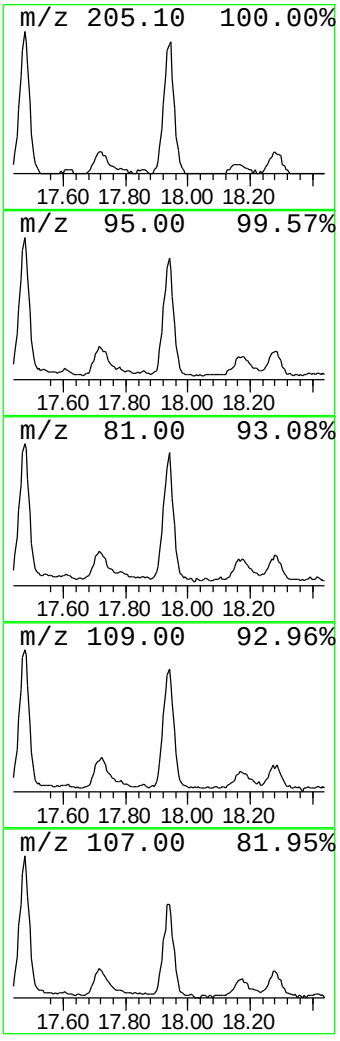
Peak Number 10 6,10-Dimethyl-3-(1-methylet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	20.56 ng	854633	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,10-Dimethyl-3-(1-methylethylid...	206	C15H26	069239-71-0	64
2	1-Isopropenyl-3-propenylcyclopen...	150	C11H18	1000192-81-2	48
3	2,6,6,9,2',6',6',9'-Octamethyl-[...	410	C30H50	1000189-48-2	47
4	Guaia-9,11-diene	204	C15H24	1000374-19-8	47
5	D:C-Friedoolean-8-en-3-one	424	C30H48O	022611-26-3	45





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
Data File : BF116293.D
Acq On : 15 Aug 2019 22:04
Operator : HP/JU
Sample : K4356-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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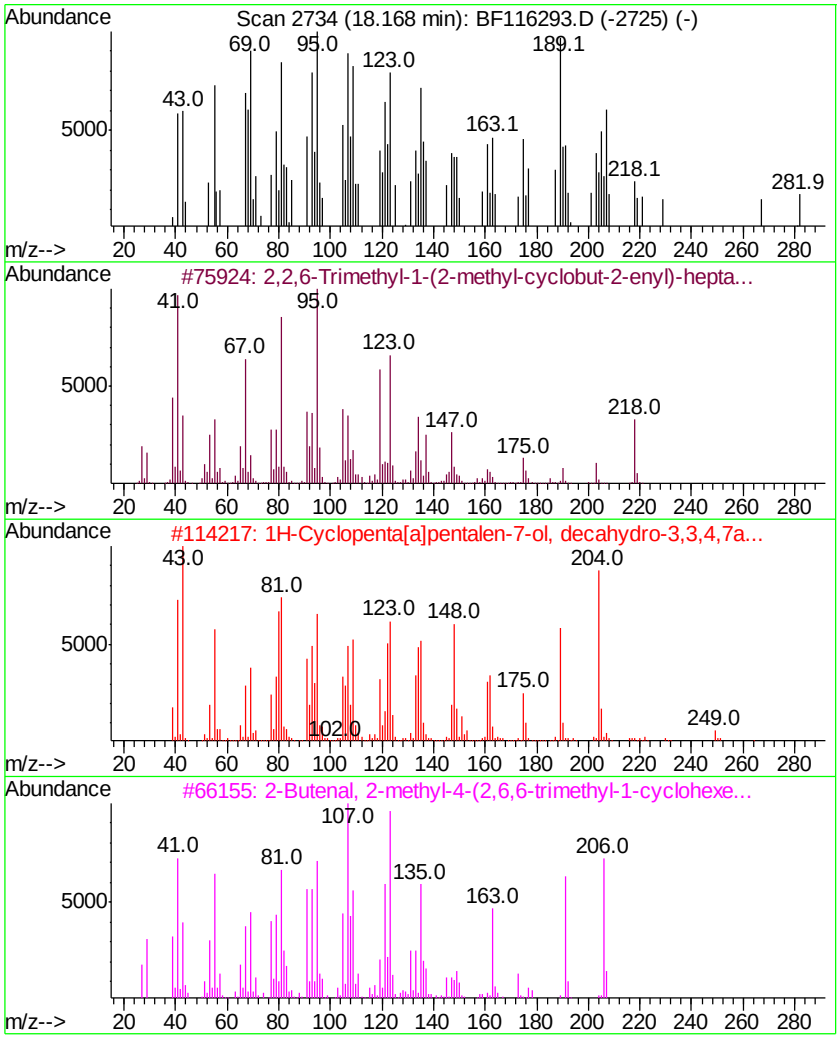
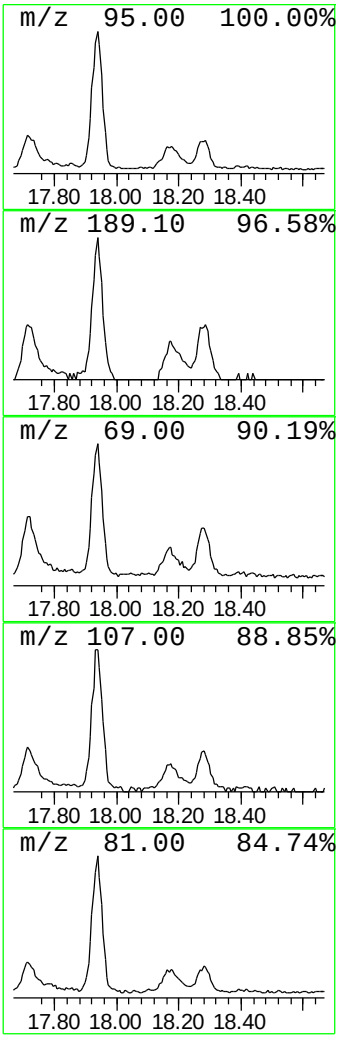
Peak Number 11 2,2,6-Trimethyl-1-(2-methyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	5.28 ng	219597	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H22O	1000188-72-8	53
2	1H-Cyclopenta[a]pentalen-7-ol, d...	264	C17H28O2	057984-03-9	49
3	2-Butenal, 2-methyl-4-(2,6,6-tri...	206	C14H22O	003155-71-3	43
4	Cyclopropa[d]naphthalen-2(4aH)-o...	204	C14H20O	004677-90-1	41
5	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
Data File : BF116293.D
Acq On : 15 Aug 2019 22:04
Operator : HP/JU
Sample : K4356-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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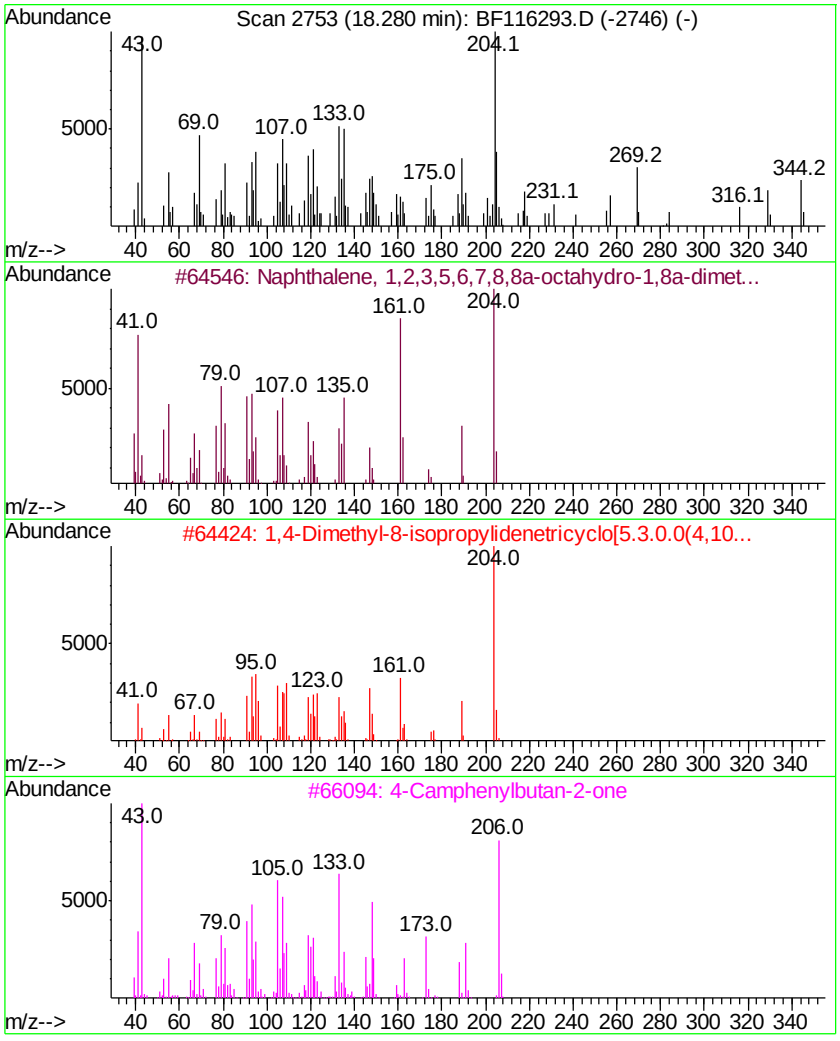
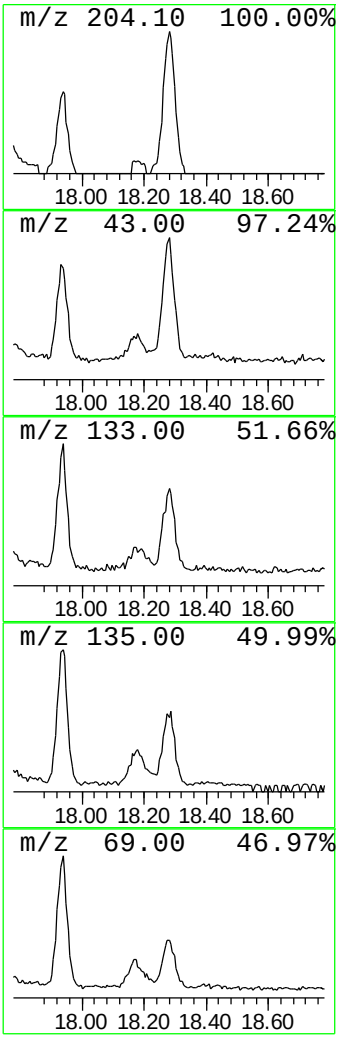
Peak Number 12 Naphthalene, 1,2,3,5,6,7,8,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	7.14 ng	296658	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	60
2	1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1000140-07-7	50
3	4-Camphenylbutan-2-one	206	C14H22O	1000140-09-7	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
5	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081519\
Data File : BF116293.D
Acq On : 15 Aug 2019 22:04
Operator : HP/JU
Sample : K4356-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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
unknown6.59	6.59	64.2	ng	1482120	1	6.82	461806	20.0
1-Heneicosanol	13.80	7.9	ng	322381	5	13.98	819093	20.0
1-Heptacosanol	14.43	10.3	ng	419778	5	13.98	819093	20.0
Eicosane, 2-methyl-	15.05	3.8	ng	155834	6	15.43	831385	20.0
17-Pentatriacontene	15.08	2.4	ng	100551	6	15.43	831385	20.0
Heneicosane	15.84	2.6	ng	109008	6	15.43	831385	20.0
1,1,4a-Trimethyl-...	17.47	34.0	ng	1411120	6	15.43	831385	20.0
1,4-Dimethyl-8-is...	17.72	10.0	ng	416334	6	15.43	831385	20.0
6,10-Dimethyl-3-(...	17.94	20.6	ng	854633	6	15.43	831385	20.0
2,2,6-Trimethyl-1...	18.17	5.3	ng	219597	6	15.43	831385	20.0
Naphthalene, 1,2,...	18.28	7.1	ng	296658	6	15.43	831385	20.0